

Snap-in Type

Series: UQ    Type : TS

- Features    Endurance: 85°C 2000 h  
                  30% smaller than series UP  
                  RoHS directive compliant

- Recommended Applications  
                  Smoothing circuits, AC adaptor

■ Specifications

Country of Origin

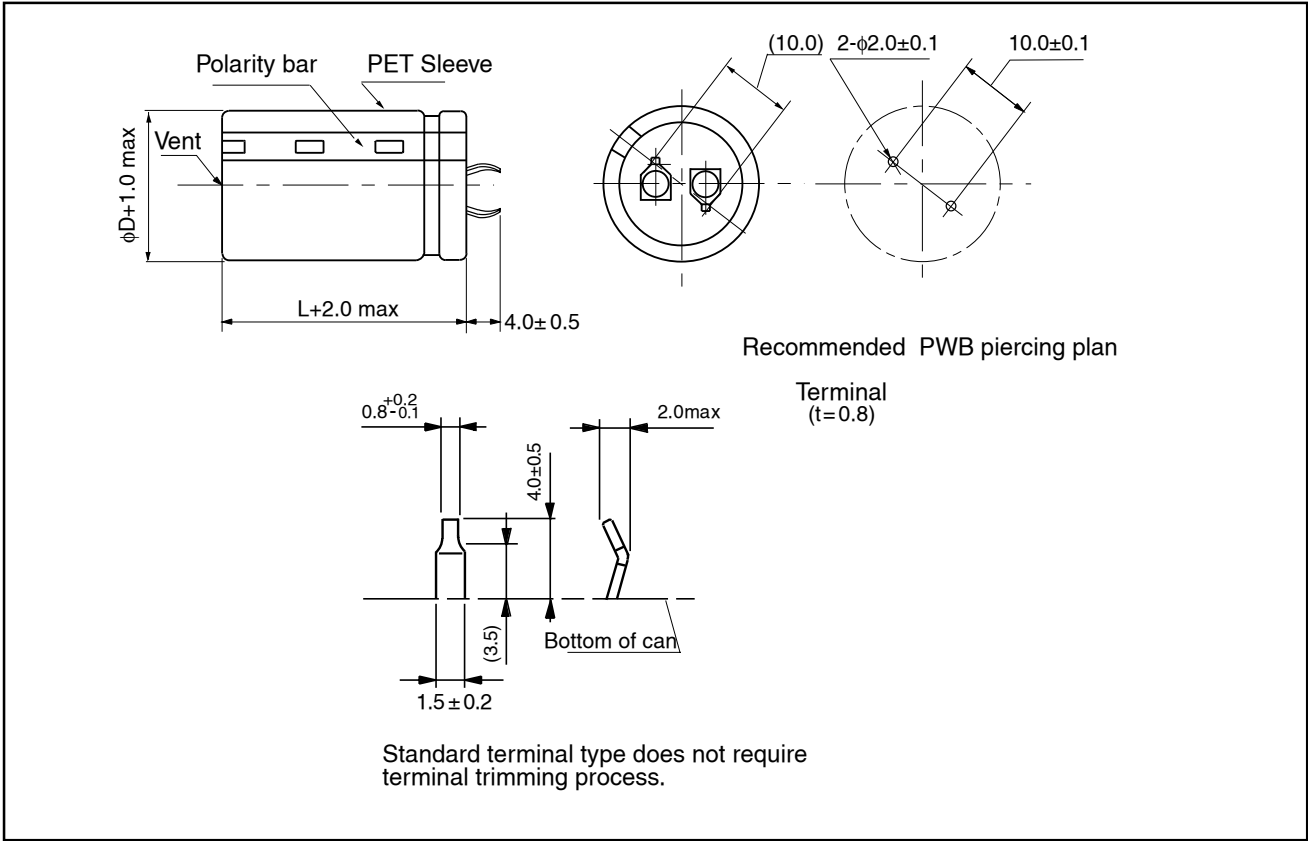
- Japan
- Malaysia
- U.S.A (\*\*\*)

(\*\*\*) Regarding USA product,  
Please check PEDCA's  
Catalog.



|                                                |                                                                                                                                                                                       |             |                                    |                  |      |      |                  |      |        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------|------------------|------|------|------------------|------|--------|
| Category temp. range                           | -40 to + 85°C                                                                                                                                                                         |             |                                    |                  |      |      | -25 to + 85°C    |      |        |
| Rated W.V. Range                               | 16 to 100V.DC                                                                                                                                                                         |             |                                    | 160 to 250 V .DC |      |      | 315 to 450 V .DC |      |        |
| Nominal Cap. Range                             | 1000 to 100000μF                                                                                                                                                                      |             |                                    | 270 to 3900 μ F  |      |      | 82 to 1000 μ F   |      |        |
| Capacitance Tolerance                          | ±20 % (120Hz/+20°C)                                                                                                                                                                   |             |                                    |                  |      |      |                  |      |        |
| DC Leakage Current                             | 3√CV (μA) max. after 5 minutes application of rated working voltage at +20°C.<br>C:Capacitance(μF) V: W.V. (V.DC)                                                                     |             |                                    |                  |      |      |                  |      |        |
| tan δ                                          | Please see the attached standard products list                                                                                                                                        |             |                                    |                  |      |      |                  |      |        |
| Frequency Correction Factor for Ripple Current | Frequency (Hz)                                                                                                                                                                        |             | 50                                 | 60               | 100  | 120  | 500              | 1k   | 10k to |
|                                                | Correction Factor                                                                                                                                                                     | 16 to 100V  | 0.93                               | 0.95             | 0.99 | 1.00 | 1.05             | 1.08 | 1.15   |
|                                                |                                                                                                                                                                                       | 160 to 450V | 0.75                               | 0.80             | 0.95 | 1.00 | 1.20             | 1.25 | 1.40   |
| Endurance                                      | After 2000 hours application of DC voltage with specified ripple current (≤ rated DC working voltage) at +85°C, the capacitor shall meet the following limits.                        |             |                                    |                  |      |      |                  |      |        |
|                                                | Capacitance change                                                                                                                                                                    |             | ±20 % of initial measured value    |                  |      |      |                  |      |        |
|                                                | tan δ                                                                                                                                                                                 |             | ≤ 200 % of initial specified value |                  |      |      |                  |      |        |
|                                                | DC leakage current                                                                                                                                                                    |             | ≤ initial specified value          |                  |      |      |                  |      |        |
| Shelf Life                                     | After storage for 1000 hours at +85±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in Endurance(With voltage treatment) |             |                                    |                  |      |      |                  |      |        |

■ Dimensions in mm (not to scale)



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## ■ Standard Products

| W.V.<br>(V) | Cap.<br>( $\pm 20\%$ )<br>( $\mu\text{F}$ ) | Case size    |                | Specification                                  |                                     | Part No.<br>PET sleeve<br>Terminal Length<br>4.0mm<br>(Without P.V.C.plate) | MinPackagingQty<br>(pcs) |
|-------------|---------------------------------------------|--------------|----------------|------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------|--------------------------|
|             |                                             | Dia.<br>(mm) | Length<br>(mm) | Ripple<br>current<br>(120Hz)<br>(+85°C)<br>(A) | $\tan \delta$<br>(120Hz)<br>(+20°C) |                                                                             |                          |
| 16          | 12000                                       | 22           | 25             | 4.5                                            | 0.50                                | EETUQ1C123HJ                                                                | 200                      |
|             | 15000                                       | 22           | 30             | 5.3                                            | 0.50                                | EETUQ1C153HJ                                                                | 200                      |
|             | 18000                                       | 22           | 35             | 5.6                                            | 0.50                                | EETUQ1C183HJ                                                                | 200                      |
|             |                                             | 25           | 25             | 5.6                                            | 0.50                                | EETUQ1C183JJ                                                                | 200                      |
|             | 22000                                       | 22           | 40             | 6.1                                            | 0.50                                | EETUQ1C223HJ                                                                | 200                      |
|             |                                             | 25           | 30             | 6.1                                            | 0.50                                | EETUQ1C223JJ                                                                | 200                      |
|             | 27000                                       | 22           | 45             | 6.3                                            | 0.50                                | EETUQ1C273HJ                                                                | 200                      |
|             |                                             | 25           | 35             | 6.3                                            | 0.50                                | EETUQ1C273JJ                                                                | 200                      |
|             |                                             | 30           | 25             | 6.3                                            | 0.50                                | EETUQ1C273KJ                                                                | 200                      |
|             | 33000                                       | 22           | 50             | 6.8                                            | 0.50                                | EETUQ1C333HJ                                                                | 200                      |
|             |                                             | 25           | 40             | 6.8                                            | 0.50                                | EETUQ1C333JJ                                                                | 200                      |
|             |                                             | 30           | 30             | 6.8                                            | 0.50                                | EETUQ1C333KJ                                                                | 200                      |
|             |                                             | 35           | 25             | 6.8                                            | 0.50                                | EETUQ1C333LJ                                                                | 200                      |
|             | 39000                                       | 25           | 45             | 6.9                                            | 0.56                                | EETUQ1C393JJ                                                                | 200                      |
|             |                                             | 30           | 35             | 6.9                                            | 0.56                                | EETUQ1C393KJ                                                                | 100                      |
|             | 47000                                       | 25           | 50             | 7.5                                            | 0.64                                | EETUQ1C473JJ                                                                | 200                      |
|             |                                             | 30           | 40             | 7.5                                            | 0.64                                | EETUQ1C473KJ                                                                | 100                      |
|             |                                             | 35           | 30             | 7.5                                            | 0.64                                | EETUQ1C473LJ                                                                | 200                      |
|             | 56000                                       | 30           | 45             | 8.7                                            | 0.73                                | EETUQ1C563KJ                                                                | 100                      |
|             |                                             | 35           | 35             | 8.7                                            | 0.73                                | EETUQ1C563LJ                                                                | 100                      |
|             | 68000                                       | 30           | 50             | 9.1                                            | 0.85                                | EETUQ1C683KJ                                                                | 100                      |
|             |                                             | 35           | 40             | 9.1                                            | 0.85                                | EETUQ1C683LJ                                                                | 100                      |
|             | 82000                                       | 35           | 45             | 9.5                                            | 0.99                                | EETUQ1C823LJ                                                                | 100                      |
|             | 100000                                      | 35           | 50             | 10.2                                           | 1.17                                | EETUQ1C104LJ                                                                | 100                      |
| 25          | 8200                                        | 22           | 25             | 3.6                                            | 0.40                                | EETUQ1E822HJ                                                                | 200                      |
|             | 10000                                       | 22           | 30             | 3.8                                            | 0.40                                | EETUQ1E103HJ                                                                | 200                      |
|             | 12000                                       | 22           | 30             | 4.1                                            | 0.40                                | EETUQ1E123HJ                                                                | 200                      |
|             |                                             | 25           | 25             | 4.1                                            | 0.40                                | EETUQ1E123JJ                                                                | 200                      |
|             | 15000                                       | 22           | 35             | 4.6                                            | 0.40                                | EETUQ1E153HJ                                                                | 200                      |
|             |                                             | 25           | 30             | 4.6                                            | 0.40                                | EETUQ1E153JJ                                                                | 200                      |
|             | 18000                                       | 22           | 40             | 5.5                                            | 0.40                                | EETUQ1E183HJ                                                                | 200                      |
|             |                                             | 25           | 35             | 5.5                                            | 0.40                                | EETUQ1E183JJ                                                                | 200                      |
|             |                                             | 30           | 25             | 5.5                                            | 0.40                                | EETUQ1E183KJ                                                                | 200                      |
|             | 22000                                       | 22           | 45             | 6.1                                            | 0.40                                | EETUQ1E223HJ                                                                | 200                      |
|             |                                             | 25           | 40             | 6.1                                            | 0.40                                | EETUQ1E223JJ                                                                | 200                      |
|             |                                             | 30           | 30             | 6.1                                            | 0.40                                | EETUQ1E223KJ                                                                | 200                      |
|             |                                             | 35           | 25             | 6.1                                            | 0.40                                | EETUQ1E223LJ                                                                | 200                      |
|             | 27000                                       | 25           | 45             | 6.2                                            | 0.40                                | EETUQ1E273JJ                                                                | 200                      |
|             |                                             | 30           | 35             | 6.2                                            | 0.40                                | EETUQ1E273KJ                                                                | 100                      |
|             | 33000                                       | 25           | 50             | 6.8                                            | 0.40                                | EETUQ1E333JJ                                                                | 200                      |
|             |                                             | 30           | 40             | 6.8                                            | 0.40                                | EETUQ1E333KJ                                                                | 100                      |
|             |                                             | 35           | 30             | 6.8                                            | 0.40                                | EETUQ1E333LJ                                                                | 200                      |

Endurance : 85°C 2000 h, Terminal Pitch : 10mm

When capacitors of  $\phi 35 \times 45\text{L}$  and  $\phi 35 \times 50\text{L}$  are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)

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## ■ Standard Products

| W.V.<br>(V) | Cap.<br>(±20%)<br>(μF) | Case size    |                | Specification                                  |                             | Part No.<br><br>PET sleeve<br>Terminal Length<br>4.0mm<br>(Without P.V.C.plate) | MinPackagingQty<br><br>(pcs) |
|-------------|------------------------|--------------|----------------|------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------|------------------------------|
|             |                        | Dia.<br>(mm) | Length<br>(mm) | Ripple<br>current<br>(120Hz)<br>(+85°C)<br>(A) | tan δ<br>(120Hz)<br>(+20°C) |                                                                                 |                              |
| 25          | 39000                  | 30           | 45             | 7.4                                            | 0.46                        | EETUQ1E393KJ                                                                    | 100                          |
|             |                        | 35           | 35             | 7.4                                            | 0.46                        | EETUQ1E393LJ                                                                    | 100                          |
|             | 47000                  | 30           | 50             | 8.0                                            | 0.54                        | EETUQ1E473KJ                                                                    | 100                          |
|             |                        | 35           | 40             | 8.0                                            | 0.54                        | EETUQ1E473LJ                                                                    | 100                          |
|             | 56000                  | 35           | 45             | 8.7                                            | 0.63                        | EETUQ1E563LJ                                                                    | 100                          |
|             | 68000                  | 35           | 50             | 9.6                                            | 0.75                        | EETUQ1E683LJ                                                                    | 100                          |
| 35          | 5600                   | 22           | 25             | 3.4                                            | 0.35                        | EETUQ1V562HJ                                                                    | 200                          |
|             | 6800                   | 22           | 30             | 3.7                                            | 0.35                        | EETUQ1V682HJ                                                                    | 200                          |
|             | 8200                   | 22           | 30             | 4.0                                            | 0.35                        | EETUQ1V822HJ                                                                    | 200                          |
|             |                        | 25           | 25             | 4.0                                            | 0.35                        | EETUQ1V822JJ                                                                    | 200                          |
|             | 10000                  | 22           | 35             | 4.4                                            | 0.35                        | EETUQ1V103HJ                                                                    | 200                          |
|             |                        | 25           | 30             | 4.4                                            | 0.35                        | EETUQ1V103JJ                                                                    | 200                          |
|             | 12000                  | 22           | 40             | 5.1                                            | 0.35                        | EETUQ1V123HJ                                                                    | 200                          |
|             |                        | 25           | 35             | 5.1                                            | 0.35                        | EETUQ1V123JJ                                                                    | 200                          |
|             |                        | 30           | 25             | 5.1                                            | 0.35                        | EETUQ1V123KJ                                                                    | 200                          |
|             | 15000                  | 22           | 45             | 5.6                                            | 0.35                        | EETUQ1V153HJ                                                                    | 200                          |
|             |                        | 25           | 40             | 5.6                                            | 0.35                        | EETUQ1V153JJ                                                                    | 200                          |
|             | 18000                  | 25           | 45             | 5.7                                            | 0.35                        | EETUQ1V183JJ                                                                    | 200                          |
|             |                        | 30           | 30             | 5.7                                            | 0.35                        | EETUQ1V183KJ                                                                    | 200                          |
|             |                        | 35           | 25             | 5.7                                            | 0.35                        | EETUQ1V183LJ                                                                    | 200                          |
|             | 22000                  | 25           | 50             | 6.1                                            | 0.35                        | EETUQ1V223JJ                                                                    | 200                          |
|             |                        | 30           | 35             | 6.1                                            | 0.35                        | EETUQ1V223KJ                                                                    | 100                          |
|             |                        | 35           | 30             | 6.1                                            | 0.35                        | EETUQ1V223LJ                                                                    | 200                          |
|             | 27000                  | 30           | 45             | 6.8                                            | 0.35                        | EETUQ1V273KJ                                                                    | 100                          |
|             |                        | 35           | 35             | 6.8                                            | 0.35                        | EETUQ1V273LJ                                                                    | 100                          |
|             | 33000                  | 30           | 50             | 7.2                                            | 0.35                        | EETUQ1V333KJ                                                                    | 100                          |
|             |                        | 35           | 40             | 7.2                                            | 0.35                        | EETUQ1V333LJ                                                                    | 100                          |
|             | 39000                  | 35           | 45             | 7.7                                            | 0.41                        | EETUQ1V393LJ                                                                    | 100                          |
|             | 47000                  | 35           | 50             | 8.5                                            | 0.49                        | EETUQ1V473LJ                                                                    | 100                          |
| 50          | 3300                   | 22           | 25             | 2.7                                            | 0.30                        | EETUQ1H332HJ                                                                    | 200                          |
|             | 3900                   | 22           | 30             | 2.8                                            | 0.30                        | EETUQ1H392HJ                                                                    | 200                          |
|             | 4700                   | 22           | 30             | 3.0                                            | 0.30                        | EETUQ1H472HJ                                                                    | 200                          |
|             |                        | 25           | 25             | 3.0                                            | 0.30                        | EETUQ1H472JJ                                                                    | 200                          |
|             | 5600                   | 22           | 35             | 3.4                                            | 0.30                        | EETUQ1H562HJ                                                                    | 200                          |
|             | 6800                   | 22           | 40             | 3.9                                            | 0.30                        | EETUQ1H682HJ                                                                    | 200                          |
|             |                        | 25           | 30             | 3.9                                            | 0.30                        | EETUQ1H682JJ                                                                    | 200                          |
|             |                        | 30           | 25             | 3.9                                            | 0.30                        | EETUQ1H682KJ                                                                    | 200                          |
|             | 8200                   | 22           | 45             | 4.4                                            | 0.30                        | EETUQ1H822HJ                                                                    | 200                          |
|             |                        | 25           | 35             | 4.4                                            | 0.30                        | EETUQ1H822JJ                                                                    | 200                          |
|             | 10000                  | 22           | 50             | 5.0                                            | 0.30                        | EETUQ1H103HJ                                                                    | 200                          |
|             |                        | 25           | 40             | 5.0                                            | 0.30                        | EETUQ1H103JJ                                                                    | 200                          |
|             |                        | 30           | 30             | 5.0                                            | 0.30                        | EETUQ1H103KJ                                                                    | 200                          |

Endurance : 85°C 2000 h, Terminal Pitch : 10mm

When capacitors of  $\phi 35 \times 45L$  and  $\phi 35 \times 50L$  are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)

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## ■ Standard Products

| W.V.<br>(V) | Cap.<br>( $\pm 20\%$ )<br>( $\mu\text{F}$ ) | Case size    |                | Specification                                  |                                     | Part No.<br>PET sleeve<br>Terminal Length<br>4.0mm<br>(Without P.V.C.plate) | MinPackagingQty<br>(pcs) |
|-------------|---------------------------------------------|--------------|----------------|------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------|--------------------------|
|             |                                             | Dia.<br>(mm) | Length<br>(mm) | Ripple<br>current<br>(120Hz)<br>(+85°C)<br>(A) | $\tan \delta$<br>(120Hz)<br>(+20°C) |                                                                             |                          |
| 50          | 10000                                       | 35           | 25             | 5.0                                            | 0.30                                | EETUQ1H103LJ                                                                | 200                      |
|             | 12000                                       | 25           | 45             | 5.6                                            | 0.30                                | EETUQ1H123JJ                                                                | 200                      |
|             |                                             | 30           | 35             | 5.6                                            | 0.30                                | EETUQ1H123KJ                                                                | 100                      |
|             |                                             | 35           | 30             | 5.6                                            | 0.30                                | EETUQ1H123LJ                                                                | 200                      |
|             | 15000                                       | 30           | 40             | 6.4                                            | 0.30                                | EETUQ1H153KJ                                                                | 100                      |
|             |                                             | 35           | 35             | 6.4                                            | 0.30                                | EETUQ1H153LJ                                                                | 100                      |
|             | 18000                                       | 30           | 45             | 6.9                                            | 0.30                                | EETUQ1H183KJ                                                                | 100                      |
|             |                                             | 35           | 40             | 6.9                                            | 0.30                                | EETUQ1H183LJ                                                                | 100                      |
|             | 22000                                       | 35           | 45             | 7.6                                            | 0.30                                | EETUQ1H223LJ                                                                | 100                      |
|             | 27000                                       | 35           | 50             | 8.3                                            | 0.30                                | EETUQ1H273LJ                                                                | 100                      |
| 63          | 2200                                        | 22           | 25             | 2.5                                            | 0.30                                | EETUQ1J222HJ                                                                | 200                      |
|             | 2700                                        | 22           | 30             | 3.7                                            | 0.30                                | EETUQ1J272HJ                                                                | 200                      |
|             | 3300                                        | 22           | 30             | 4.1                                            | 0.30                                | EETUQ1J332HJ                                                                | 200                      |
|             |                                             | 25           | 25             | 4.1                                            | 0.30                                | EETUQ1J332JJ                                                                | 200                      |
|             | 3900                                        | 22           | 35             | 4.4                                            | 0.30                                | EETUQ1J392HJ                                                                | 200                      |
|             |                                             | 25           | 30             | 4.4                                            | 0.30                                | EETUQ1J392JJ                                                                | 200                      |
|             | 4700                                        | 22           | 40             | 4.9                                            | 0.30                                | EETUQ1J472HJ                                                                | 200                      |
|             |                                             | 25           | 35             | 4.9                                            | 0.30                                | EETUQ1J472JJ                                                                | 200                      |
|             |                                             | 30           | 25             | 4.9                                            | 0.30                                | EETUQ1J472KJ                                                                | 200                      |
|             | 5600                                        | 22           | 45             | 5.4                                            | 0.30                                | EETUQ1J562HJ                                                                | 200                      |
|             |                                             | 25           | 40             | 5.4                                            | 0.30                                | EETUQ1J562JJ                                                                | 200                      |
|             | 6800                                        | 25           | 45             | 5.8                                            | 0.30                                | EETUQ1J682JJ                                                                | 200                      |
|             |                                             | 30           | 30             | 5.8                                            | 0.30                                | EETUQ1J682KJ                                                                | 200                      |
|             |                                             | 35           | 25             | 6.0                                            | 0.30                                | EETUQ1J682LJ                                                                | 200                      |
|             | 8200                                        | 25           | 50             | 6.0                                            | 0.30                                | EETUQ1J822JJ                                                                | 200                      |
|             |                                             | 30           | 35             | 6.0                                            | 0.30                                | EETUQ1J822KJ                                                                | 100                      |
|             |                                             | 35           | 30             | 6.5                                            | 0.30                                | EETUQ1J822LJ                                                                | 200                      |
|             | 10000                                       | 30           | 40             | 6.5                                            | 0.30                                | EETUQ1J103KJ                                                                | 100                      |
|             |                                             | 35           | 35             | 6.5                                            | 0.30                                | EETUQ1J103LJ                                                                | 100                      |
|             | 12000                                       | 30           | 45             | 7.2                                            | 0.30                                | EETUQ1J123KJ                                                                | 100                      |
|             |                                             | 35           | 40             | 7.2                                            | 0.30                                | EETUQ1J123LJ                                                                | 100                      |
|             | 15000                                       | 35           | 45             | 7.9                                            | 0.30                                | EETUQ1J153LJ                                                                | 100                      |
|             | 18000                                       | 35           | 50             | 8.6                                            | 0.30                                | EETUQ1J183LJ                                                                | 100                      |
| 80          | 1500                                        | 22           | 25             | 2.3                                            | 0.25                                | EETUQ1K152HJ                                                                | 200                      |
|             | 1800                                        | 22           | 30             | 2.5                                            | 0.25                                | EETUQ1K182HJ                                                                | 200                      |
|             | 2200                                        | 22           | 35             | 2.7                                            | 0.25                                | EETUQ1K222HJ                                                                | 200                      |
|             |                                             | 25           | 25             | 2.7                                            | 0.25                                | EETUQ1K222JJ                                                                | 200                      |
|             | 2700                                        | 22           | 40             | 2.8                                            | 0.25                                | EETUQ1K272HJ                                                                | 200                      |
|             |                                             | 25           | 30             | 2.8                                            | 0.25                                | EETUQ1K272JJ                                                                | 200                      |
|             | 3300                                        | 22           | 45             | 3.2                                            | 0.25                                | EETUQ1K332HJ                                                                | 200                      |
|             |                                             | 25           | 35             | 3.2                                            | 0.25                                | EETUQ1K332JJ                                                                | 200                      |
|             |                                             | 30           | 25             | 3.2                                            | 0.25                                | EETUQ1K332KJ                                                                | 200                      |

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■ Standard Products

| W.V.<br>(V) | Cap.<br>(±20%)<br>(μF) | Case size    |                | Specification                                  |                             | Part No.                                                        | MinPackagingQty |
|-------------|------------------------|--------------|----------------|------------------------------------------------|-----------------------------|-----------------------------------------------------------------|-----------------|
|             |                        | Dia.<br>(mm) | Length<br>(mm) | Ripple<br>current<br>(120Hz)<br>(+85°C)<br>(A) | tan δ<br>(120Hz)<br>(+20°C) | PET sleeve<br>Terminal Length<br>4.0mm<br>(Without P.V.C.plate) | (pcs)           |
| 80          | 3900                   | 22           | 50             | 3.6                                            | 0.25                        | EETUQ1K392HJ                                                    | 200             |
|             |                        | 25           | 40             | 3.6                                            | 0.25                        | EETUQ1K392JJ                                                    | 200             |
|             | 4700                   | 25           | 45             | 4.1                                            | 0.25                        | EETUQ1K472JJ                                                    | 200             |
|             |                        | 30           | 30             | 4.1                                            | 0.25                        | EETUQ1K472KJ                                                    | 200             |
|             | 5600                   | 25           | 50             | 4.6                                            | 0.25                        | EETUQ1K562JJ                                                    | 200             |
|             |                        | 30           | 35             | 4.6                                            | 0.25                        | EETUQ1K562KJ                                                    | 100             |
|             |                        | 35           | 30             | 4.6                                            | 0.25                        | EETUQ1K562LJ                                                    | 200             |
|             | 6800                   | 30           | 45             | 5.2                                            | 0.25                        | EETUQ1K682KJ                                                    | 100             |
|             |                        | 35           | 35             | 5.2                                            | 0.25                        | EETUQ1K682LJ                                                    | 100             |
|             | 8200                   | 30           | 50             | 5.8                                            | 0.25                        | EETUQ1K822KJ                                                    | 100             |
|             |                        | 35           | 40             | 5.8                                            | 0.25                        | EETUQ1K822LJ                                                    | 100             |
|             | 10000                  | 35           | 45             | 6.4                                            | 0.25                        | EETUQ1K103LJ                                                    | 100             |
|             | 12000                  | 35           | 50             | 7.0                                            | 0.25                        | EETUQ1K123LJ                                                    | 100             |
| 100         | 1000                   | 22           | 25             | 2.0                                            | 0.25                        | EETUQ2A102HJ                                                    | 200             |
|             | 1200                   | 22           | 30             | 2.3                                            | 0.25                        | EETUQ2A122HJ                                                    | 200             |
|             |                        | 25           | 25             | 2.3                                            | 0.25                        | EETUQ2A122JJ                                                    | 200             |
|             | 1500                   | 22           | 30             | 2.6                                            | 0.25                        | EETUQ2A152HJ                                                    | 200             |
|             | 1800                   | 22           | 35             | 2.8                                            | 0.25                        | EETUQ2A182HJ                                                    | 200             |
|             |                        | 25           | 30             | 2.8                                            | 0.25                        | EETUQ2A182JJ                                                    | 200             |
|             | 2200                   | 22           | 45             | 3.1                                            | 0.25                        | EETUQ2A222HJ                                                    | 200             |
|             |                        | 25           | 35             | 3.1                                            | 0.25                        | EETUQ2A222JJ                                                    | 200             |
|             |                        | 30           | 25             | 3.1                                            | 0.25                        | EETUQ2A222KJ                                                    | 200             |
|             | 2700                   | 22           | 50             | 3.7                                            | 0.25                        | EETUQ2A272HJ                                                    | 200             |
|             |                        | 25           | 40             | 3.7                                            | 0.25                        | EETUQ2A272JJ                                                    | 200             |
|             |                        | 30           | 30             | 3.7                                            | 0.25                        | EETUQ2A272KJ                                                    | 200             |
|             |                        | 35           | 25             | 3.7                                            | 0.25                        | EETUQ2A272LJ                                                    | 200             |
|             | 3300                   | 25           | 45             | 4.1                                            | 0.25                        | EETUQ2A332JJ                                                    | 200             |
|             |                        | 30           | 35             | 4.1                                            | 0.25                        | EETUQ2A332KJ                                                    | 100             |
|             | 3900                   | 25           | 50             | 4.5                                            | 0.25                        | EETUQ2A392JJ                                                    | 200             |
|             |                        | 30           | 40             | 4.5                                            | 0.25                        | EETUQ2A392KJ                                                    | 100             |
|             |                        | 35           | 30             | 4.5                                            | 0.25                        | EETUQ2A392LJ                                                    | 200             |
|             | 4700                   | 30           | 45             | 5.1                                            | 0.25                        | EETUQ2A472KJ                                                    | 100             |
|             |                        | 35           | 35             | 5.1                                            | 0.25                        | EETUQ2A472LJ                                                    | 100             |
|             | 5600                   | 30           | 50             | 5.8                                            | 0.25                        | EETUQ2A562KJ                                                    | 100             |
|             |                        | 35           | 40             | 5.8                                            | 0.25                        | EETUQ2A562LJ                                                    | 100             |
|             | 6800                   | 35           | 45             | 6.6                                            | 0.25                        | EETUQ2A682LJ                                                    | 100             |
|             | 8200                   | 35           | 50             | 7.2                                            | 0.25                        | EETUQ2A822LJ                                                    | 100             |

Endurance : 85°C 2000 h, Terminal Pitch : 10mm

When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)

## ■ Standard Products

| W.V.<br>(V) | Cap.<br>( $\pm 20\%$ )<br>( $\mu\text{F}$ ) | Case size    |                | Specification                               |                                     | Part No.     | Min. Packaging Q'ty<br>(pcs) |
|-------------|---------------------------------------------|--------------|----------------|---------------------------------------------|-------------------------------------|--------------|------------------------------|
|             |                                             | Dia.<br>(mm) | Length<br>(mm) | Ripple current<br>(120Hz)<br>(+85°C)<br>(A) | $\tan \delta$<br>(120Hz)<br>(+20°C) |              |                              |
| 160         | 560                                         | 22           | 25             | 2.25                                        | 0.15                                | EETUQ2C561HJ | 200                          |
|             | 680                                         | 22           | 30             | 2.50                                        | 0.15                                | EETUQ2C681HJ | 200                          |
|             | 820                                         | 22           | 35             | 2.75                                        | 0.15                                | EETUQ2C821HJ | 200                          |
|             | 1000                                        | 22           | 40             | 3.00                                        | 0.15                                | EETUQ2C102HJ | 200                          |
|             |                                             | 25           | 30             | 3.00                                        | 0.15                                | EETUQ2C102JJ | 200                          |
|             | 1200                                        | 22           | 45             | 3.25                                        | 0.15                                | EETUQ2C122HJ | 200                          |
|             |                                             | 25           | 35             | 3.25                                        | 0.15                                | EETUQ2C122JJ | 200                          |
|             |                                             | 30           | 25             | 3.25                                        | 0.15                                | EETUQ2C122KJ | 200                          |
|             | 1500                                        | 22           | 50             | 3.73                                        | 0.15                                | EETUQ2C152HJ | 200                          |
|             |                                             | 25           | 40             | 3.73                                        | 0.15                                | EETUQ2C152JJ | 200                          |
|             |                                             | 30           | 30             | 3.73                                        | 0.15                                | EETUQ2C152KJ | 200                          |
|             |                                             | 35           | 25             | 3.73                                        | 0.15                                | EETUQ2C152LJ | 200                          |
|             | 1800                                        | 25           | 45             | 4.20                                        | 0.15                                | EETUQ2C182JJ | 200                          |
|             |                                             | 30           | 35             | 4.20                                        | 0.15                                | EETUQ2C182KJ | 100                          |
|             |                                             | 35           | 30             | 4.20                                        | 0.15                                | EETUQ2C182LJ | 200                          |
|             | 2200                                        | 30           | 40             | 4.78                                        | 0.15                                | EETUQ2C222KJ | 100                          |
|             |                                             | 35           | 35             | 4.78                                        | 0.15                                | EETUQ2C222LJ | 100                          |
|             | 2700                                        | 30           | 45             | 5.45                                        | 0.15                                | EETUQ2C272KJ | 100                          |
|             |                                             | 35           | 40             | 5.45                                        | 0.15                                | EETUQ2C272LJ | 100                          |
|             | 3300                                        | 35           | 45             | 5.75                                        | 0.15                                | EETUQ2C332LJ | 100                          |
|             | 3900                                        | 35           | 50             | 6.00                                        | 0.15                                | EETUQ2C392LJ | 100                          |
| 180         | 470                                         | 22           | 25             | 2.08                                        | 0.15                                | EETUQ2P471HJ | 200                          |
|             | 560                                         | 22           | 30             | 2.25                                        | 0.15                                | EETUQ2P561HJ | 200                          |
|             | 680                                         | 22           | 30             | 2.50                                        | 0.15                                | EETUQ2P681HJ | 200                          |
|             |                                             | 25           | 25             | 2.50                                        | 0.15                                | EETUQ2P681JJ | 200                          |
|             | 820                                         | 22           | 35             | 2.75                                        | 0.15                                | EETUQ2P821HJ | 200                          |
|             |                                             | 25           | 30             | 2.75                                        | 0.15                                | EETUQ2P821JJ | 200                          |
|             | 1000                                        | 22           | 45             | 3.00                                        | 0.15                                | EETUQ2P102HJ | 200                          |
|             |                                             | 25           | 35             | 3.00                                        | 0.15                                | EETUQ2P102JJ | 200                          |
|             |                                             | 30           | 25             | 3.00                                        | 0.15                                | EETUQ2P102KJ | 200                          |
|             | 1200                                        | 22           | 50             | 3.31                                        | 0.15                                | EETUQ2P122HJ | 200                          |
|             |                                             | 25           | 40             | 3.31                                        | 0.15                                | EETUQ2P122JJ | 200                          |
|             |                                             | 30           | 30             | 3.31                                        | 0.15                                | EETUQ2P122KJ | 200                          |
|             |                                             | 35           | 25             | 3.31                                        | 0.15                                | EETUQ2P122LJ | 200                          |
|             | 1500                                        | 25           | 45             | 3.83                                        | 0.15                                | EETUQ2P152JJ | 200                          |
|             |                                             | 30           | 35             | 3.83                                        | 0.15                                | EETUQ2P152KJ | 100                          |
|             |                                             | 35           | 30             | 3.83                                        | 0.15                                | EETUQ2P152LJ | 200                          |
|             | 1800                                        | 25           | 50             | 4.32                                        | 0.15                                | EETUQ2P182JJ | 200                          |
|             |                                             | 30           | 40             | 4.32                                        | 0.15                                | EETUQ2P182KJ | 100                          |
|             |                                             | 35           | 30             | 4.32                                        | 0.15                                | EETUQ2P182LJ | 200                          |
|             | 2200                                        | 30           | 45             | 4.92                                        | 0.15                                | EETUQ2P222KJ | 100                          |
|             |                                             | 35           | 40             | 4.92                                        | 0.15                                | EETUQ2P222LJ | 100                          |

Endurance : 85°C 2000h

Terminal Pitch : 10mm

When capacitors of  $\phi 35 \times 45\text{L}$  and  $\phi 35 \times 50\text{L}$  are mounted on PWB, reinforce them with mounting clamp or adhesives. (Avoid using adhesives including halogenated compositions.)

Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

## ■ Standard Products

| W.V.<br>(V) | Cap.<br>( $\pm 20\%$ )<br>( $\mu\text{F}$ ) | Case size    |                | Specification                               |                                     | Part No.                                                        | Min. Packaging Q'ty |
|-------------|---------------------------------------------|--------------|----------------|---------------------------------------------|-------------------------------------|-----------------------------------------------------------------|---------------------|
|             |                                             | Dia.<br>(mm) | Length<br>(mm) | Ripple current<br>(120Hz)<br>(+85°C)<br>(A) | $\tan \delta$<br>(120Hz)<br>(+20°C) | PET sleeve<br>Terminal Length<br>4.0mm<br>(Without P.V.C.plate) | (pcs)               |
| 180         | 2700                                        | 30           | 50             | 5.52                                        | 0.15                                | EETUQ2P272KJ                                                    | 100                 |
|             |                                             | 35           | 45             | 5.52                                        | 0.15                                | EETUQ2P272LJ                                                    | 100                 |
|             | 3300                                        | 35           | 50             | 5.75                                        | 0.15                                | EETUQ2P332LJ                                                    | 100                 |
| 200         | 390                                         | 22           | 25             | 1.68                                        | 0.15                                | EETUQ2D391HJ                                                    | 200                 |
|             | 470                                         | 22           | 30             | 1.85                                        | 0.15                                | EETUQ2D471HJ                                                    | 200                 |
|             |                                             | 22           | 30             | 2.43                                        | 0.15                                | EETUQ2D561HJ                                                    | 200                 |
|             | 560                                         | 25           | 25             | 2.43                                        | 0.15                                | EETUQ2D561JJ                                                    | 200                 |
|             |                                             | 22           | 35             | 2.68                                        | 0.15                                | EETUQ2D681HJ                                                    | 200                 |
|             | 680                                         | 25           | 30             | 2.68                                        | 0.15                                | EETUQ2D681JJ                                                    | 200                 |
|             |                                             | 22           | 40             | 2.93                                        | 0.15                                | EETUQ2D821HJ                                                    | 200                 |
|             | 820                                         | 25           | 30             | 2.93                                        | 0.15                                | EETUQ2D821JJ                                                    | 200                 |
|             |                                             | 30           | 25             | 2.93                                        | 0.15                                | EETUQ2D821KJ                                                    | 200                 |
|             |                                             | 22           | 45             | 3.25                                        | 0.15                                | EETUQ2D102HJ                                                    | 200                 |
|             | 1000                                        | 25           | 35             | 3.25                                        | 0.15                                | EETUQ2D102JJ                                                    | 200                 |
|             |                                             | 30           | 30             | 3.25                                        | 0.15                                | EETUQ2D102KJ                                                    | 200                 |
|             |                                             | 35           | 25             | 3.25                                        | 0.15                                | EETUQ2D102LJ                                                    | 200                 |
|             |                                             | 22           | 50             | 3.50                                        | 0.15                                | EETUQ2D122HJ                                                    | 200                 |
|             | 1200                                        | 25           | 40             | 3.50                                        | 0.15                                | EETUQ2D122JJ                                                    | 200                 |
|             |                                             | 30           | 30             | 3.50                                        | 0.15                                | EETUQ2D122KJ                                                    | 200                 |
|             |                                             | 25           | 50             | 3.87                                        | 0.15                                | EETUQ2D152JJ                                                    | 200                 |
|             | 1500                                        | 30           | 35             | 3.87                                        | 0.15                                | EETUQ2D152KJ                                                    | 100                 |
|             |                                             | 35           | 30             | 3.87                                        | 0.15                                | EETUQ2D152LJ                                                    | 200                 |
|             | 1800                                        | 30           | 45             | 4.32                                        | 0.15                                | EETUQ2D182KJ                                                    | 100                 |
|             |                                             | 35           | 35             | 4.32                                        | 0.15                                | EETUQ2D182LJ                                                    | 100                 |
|             | 2200                                        | 30           | 50             | 4.92                                        | 0.15                                | EETUQ2D222KJ                                                    | 100                 |
|             |                                             | 35           | 40             | 4.92                                        | 0.15                                | EETUQ2D222LJ                                                    | 100                 |
|             | 2700                                        | 35           | 50             | 5.45                                        | 0.15                                | EETUQ2D272LJ                                                    | 100                 |
| 250         | 270                                         | 22           | 25             | 1.31                                        | 0.15                                | EETUQ2E271HJ                                                    | 200                 |
|             | 330                                         | 22           | 30             | 1.75                                        | 0.15                                | EETUQ2E331HJ                                                    | 200                 |
|             | 390                                         | 22           | 30             | 1.91                                        | 0.15                                | EETUQ2E391HJ                                                    | 200                 |
|             |                                             | 25           | 25             | 1.91                                        | 0.15                                | EETUQ2E391JJ                                                    | 200                 |
|             | 470                                         | 22           | 35             | 2.11                                        | 0.15                                | EETUQ2E471HJ                                                    | 200                 |
|             |                                             | 25           | 30             | 2.11                                        | 0.15                                | EETUQ2E471JJ                                                    | 200                 |
|             | 560                                         | 22           | 40             | 2.25                                        | 0.15                                | EETUQ2E561HJ                                                    | 200                 |
|             |                                             | 25           | 30             | 2.25                                        | 0.15                                | EETUQ2E561JJ                                                    | 200                 |
|             |                                             | 30           | 25             | 2.25                                        | 0.15                                | EETUQ2E561KJ                                                    | 200                 |
|             | 680                                         | 22           | 45             | 2.50                                        | 0.15                                | EETUQ2E681HJ                                                    | 200                 |
|             |                                             | 25           | 35             | 2.50                                        | 0.15                                | EETUQ2E681JJ                                                    | 200                 |
|             |                                             | 30           | 30             | 2.50                                        | 0.15                                | EETUQ2E681KJ                                                    | 200                 |
|             | 820                                         | 22           | 50             | 2.77                                        | 0.15                                | EETUQ2E821HJ                                                    | 200                 |
|             |                                             | 25           | 40             | 2.77                                        | 0.15                                | EETUQ2E821JJ                                                    | 200                 |
|             |                                             | 30           | 30             | 2.77                                        | 0.15                                | EETUQ2E821KJ                                                    | 200                 |

Endurance : 85°C 2000h

Terminal Pitch : 10mm

When capacitors of  $\phi 35 \times 45 \text{L}$  and  $\phi 35 \times 50 \text{L}$  are mounted on PWB, reinforce them with mounting clamp or adhesives. (Avoid using adhesives including halogenated compositions.)

Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

## ■ Standard Products

| W.V.<br>(V) | Cap.<br>( $\pm 20\%$ )<br>( $\mu\text{F}$ ) | Case size    |                | Specification                                  |                                     | Part No.<br>PET sleeve<br>Terminal Length<br>4.0mm<br>(Without P.V.C.plate) | Min.Packaging Q'ty<br>(pcs) |
|-------------|---------------------------------------------|--------------|----------------|------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------|-----------------------------|
|             |                                             | Dia.<br>(mm) | Length<br>(mm) | Ripple<br>current<br>(120Hz)<br>(+85°C)<br>(A) | $\tan \delta$<br>(120Hz)<br>(+20°C) |                                                                             |                             |
| 250         | 820                                         | 35           | 25             | 2.77                                           | 0.15                                | EETUQ2E821LJ                                                                | 200                         |
|             | 1000                                        | 25           | 45             | 3.32                                           | 0.15                                | EETUQ2E102JJ                                                                | 200                         |
|             |                                             | 30           | 35             | 3.32                                           | 0.15                                | EETUQ2E102KJ                                                                | 100                         |
|             |                                             | 35           | 30             | 3.32                                           | 0.15                                | EETUQ2E102LJ                                                                | 200                         |
|             | 1200                                        | 30           | 40             | 3.53                                           | 0.15                                | EETUQ2E122KJ                                                                | 100                         |
|             |                                             | 35           | 35             | 3.53                                           | 0.15                                | EETUQ2E122LJ                                                                | 100                         |
|             | 1500                                        | 30           | 50             | 4.04                                           | 0.15                                | EETUQ2E152KJ                                                                | 100                         |
|             |                                             | 35           | 40             | 4.04                                           | 0.15                                | EETUQ2E152LJ                                                                | 100                         |
|             | 1800                                        | 35           | 45             | 4.55                                           | 0.15                                | EETUQ2E182LJ                                                                | 100                         |
| 315         | 180                                         | 22           | 25             | 1.12                                           | 0.15                                | EETUQ2F181HJ                                                                | 200                         |
|             | 220                                         | 22           | 30             | 1.41                                           | 0.15                                | EETUQ2F221HJ                                                                | 200                         |
|             | 270                                         | 22           | 30             | 1.60                                           | 0.15                                | EETUQ2F271HJ                                                                | 200                         |
|             | 330                                         | 22           | 40             | 1.82                                           | 0.15                                | EETUQ2F331HJ                                                                | 200                         |
|             |                                             | 25           | 30             | 1.82                                           | 0.15                                | EETUQ2F331JJ                                                                | 200                         |
|             |                                             | 30           | 25             | 1.82                                           | 0.15                                | EETUQ2F331KJ                                                                | 200                         |
|             | 390                                         | 22           | 45             | 2.01                                           | 0.15                                | EETUQ2F391HJ                                                                | 200                         |
|             |                                             | 25           | 35             | 2.01                                           | 0.15                                | EETUQ2F391JJ                                                                | 200                         |
|             |                                             | 30           | 30             | 2.01                                           | 0.15                                | EETUQ2F391KJ                                                                | 200                         |
|             | 470                                         | 22           | 50             | 2.27                                           | 0.15                                | EETUQ2F471HJ                                                                | 200                         |
|             |                                             | 25           | 40             | 2.27                                           | 0.15                                | EETUQ2F471JJ                                                                | 200                         |
|             |                                             | 30           | 30             | 2.27                                           | 0.15                                | EETUQ2F471KJ                                                                | 200                         |
|             |                                             | 35           | 25             | 2.27                                           | 0.15                                | EETUQ2F471LJ                                                                | 200                         |
|             | 560                                         | 25           | 45             | 2.56                                           | 0.15                                | EETUQ2F561JJ                                                                | 200                         |
|             |                                             | 30           | 35             | 2.56                                           | 0.15                                | EETUQ2F561KJ                                                                | 100                         |
|             |                                             | 35           | 30             | 2.56                                           | 0.15                                | EETUQ2F561LJ                                                                | 200                         |
|             | 680                                         | 30           | 40             | 2.87                                           | 0.15                                | EETUQ2F681KJ                                                                | 100                         |
|             |                                             | 35           | 35             | 2.87                                           | 0.15                                | EETUQ2F681LJ                                                                | 100                         |
|             | 820                                         | 30           | 45             | 3.25                                           | 0.15                                | EETUQ2F821KJ                                                                | 100                         |
|             |                                             | 35           | 40             | 3.25                                           | 0.15                                | EETUQ2F821LJ                                                                | 100                         |
|             | 1000                                        | 30           | 50             | 3.63                                           | 0.15                                | EETUQ2F102KJ                                                                | 100                         |
|             |                                             | 35           | 45             | 3.63                                           | 0.15                                | EETUQ2F102LJ                                                                | 100                         |
| 350         | 150                                         | 22           | 25             | 1.12                                           | 0.15                                | EETUQ2V151HJ                                                                | 200                         |
|             | 180                                         | 22           | 30             | 1.22                                           | 0.15                                | EETUQ2V181HJ                                                                | 200                         |
|             | 220                                         | 22           | 35             | 1.44                                           | 0.15                                | EETUQ2V221HJ                                                                | 200                         |
|             | 270                                         | 22           | 40             | 1.66                                           | 0.15                                | EETUQ2V271HJ                                                                | 200                         |
|             |                                             | 25           | 30             | 1.66                                           | 0.15                                | EETUQ2V271JJ                                                                | 200                         |
|             | 330                                         | 22           | 45             | 1.88                                           | 0.15                                | EETUQ2V331HJ                                                                | 200                         |
|             |                                             | 25           | 35             | 1.88                                           | 0.15                                | EETUQ2V331JJ                                                                | 200                         |
|             | 390                                         | 22           | 50             | 2.06                                           | 0.15                                | EETUQ2V391HJ                                                                | 200                         |
|             |                                             | 25           | 40             | 2.06                                           | 0.15                                | EETUQ2V391JJ                                                                | 200                         |
|             |                                             | 30           | 30             | 2.06                                           | 0.15                                | EETUQ2V391KJ                                                                | 200                         |
|             |                                             | 35           | 25             | 2.06                                           | 0.15                                | EETUQ2V391LJ                                                                | 200                         |

Endurance : 85°C 2000h

Terminal Pitch : 10mm

When capacitors of  $\phi 35 \times 45\text{L}$  and  $\phi 35 \times 50\text{L}$  are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)

Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

## ■ Standard Products

| W.V.<br>(V) | Cap.<br>( $\pm 20\%$ )<br>( $\mu\text{F}$ ) | Case size    |                | Specification                                  |                                     | Part No.<br><br>PET sleeve<br>Terminal Length<br>4.0mm<br>(Without P.V.C.plate) | Min.Packaging Q'ty<br><br>(pcs) |
|-------------|---------------------------------------------|--------------|----------------|------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------|---------------------------------|
|             |                                             | Dia.<br>(mm) | Length<br>(mm) | Ripple<br>current<br>(120Hz)<br>(+85°C)<br>(A) | $\tan \delta$<br>(120Hz)<br>(+20°C) |                                                                                 |                                 |
| 350         | 470                                         | 25           | 45             | 2.40                                           | 0.15                                | EETUQ2V471JJ                                                                    | 200                             |
|             |                                             | 30           | 35             | 2.40                                           | 0.15                                | EETUQ2V471KJ                                                                    | 100                             |
|             |                                             | 35           | 30             | 2.40                                           | 0.15                                | EETUQ2V471LJ                                                                    | 200                             |
|             | 560                                         | 25           | 50             | 2.60                                           | 0.15                                | EETUQ2V561JJ                                                                    | 200                             |
|             |                                             | 30           | 40             | 2.60                                           | 0.15                                | EETUQ2V561KJ                                                                    | 100                             |
|             |                                             | 35           | 30             | 2.60                                           | 0.15                                | EETUQ2V561LJ                                                                    | 200                             |
|             | 680                                         | 30           | 45             | 2.96                                           | 0.15                                | EETUQ2V681KJ                                                                    | 100                             |
|             |                                             | 35           | 35             | 2.96                                           | 0.15                                | EETUQ2V681LJ                                                                    | 100                             |
|             | 820                                         | 30           | 50             | 3.25                                           | 0.15                                | EETUQ2V821KJ                                                                    | 100                             |
|             |                                             | 35           | 45             | 3.25                                           | 0.15                                | EETUQ2V821LJ                                                                    | 100                             |
|             | 1000                                        | 35           | 50             | 3.54                                           | 0.15                                | EETUQ2V102LJ                                                                    | 100                             |
| 400         | 120                                         | 22           | 25             | 1.02                                           | 0.15                                | EETUQ2G121HJ                                                                    | 200                             |
|             | 150                                         | 22           | 30             | 1.16                                           | 0.15                                | EETUQ2G151HJ                                                                    | 200                             |
|             | 180                                         | 22           | 35             | 1.44                                           | 0.15                                | EETUQ2G181HJ                                                                    | 200                             |
|             | 220                                         | 22           | 40             | 1.49                                           | 0.15                                | EETUQ2G221HJ                                                                    | 200                             |
|             |                                             | 25           | 30             | 1.49                                           | 0.15                                | EETUQ2G221JJ                                                                    | 200                             |
|             | 270                                         | 22           | 45             | 1.67                                           | 0.15                                | EETUQ2G271HJ                                                                    | 200                             |
|             |                                             | 25           | 35             | 1.67                                           | 0.15                                | EETUQ2G271JJ                                                                    | 200                             |
|             |                                             | 30           | 30             | 1.67                                           | 0.15                                | EETUQ2G271KJ                                                                    | 200                             |
|             | 330                                         | 22           | 50             | 1.90                                           | 0.15                                | EETUQ2G331HJ                                                                    | 200                             |
|             |                                             | 25           | 40             | 1.90                                           | 0.15                                | EETUQ2G331JJ                                                                    | 200                             |
|             |                                             | 30           | 30             | 1.90                                           | 0.15                                | EETUQ2G331KJ                                                                    | 200                             |
|             |                                             | 35           | 25             | 1.90                                           | 0.15                                | EETUQ2G331LJ                                                                    | 200                             |
|             | 390                                         | 25           | 45             | 2.13                                           | 0.15                                | EETUQ2G391JJ                                                                    | 200                             |
|             |                                             | 30           | 35             | 2.13                                           | 0.15                                | EETUQ2G391KJ                                                                    | 100                             |
|             |                                             | 35           | 30             | 2.13                                           | 0.15                                | EETUQ2G391LJ                                                                    | 200                             |
|             | 470                                         | 25           | 50             | 2.39                                           | 0.15                                | EETUQ2G471JJ                                                                    | 200                             |
|             |                                             | 30           | 40             | 2.39                                           | 0.15                                | EETUQ2G471KJ                                                                    | 100                             |
|             |                                             | 35           | 30             | 2.39                                           | 0.15                                | EETUQ2G471LJ                                                                    | 200                             |
|             | 560                                         | 30           | 45             | 2.69                                           | 0.15                                | EETUQ2G561KJ                                                                    | 100                             |
|             |                                             | 35           | 35             | 2.69                                           | 0.15                                | EETUQ2G561LJ                                                                    | 100                             |
|             | 680                                         | 30           | 50             | 2.96                                           | 0.15                                | EETUQ2G681KJ                                                                    | 100                             |
|             |                                             | 35           | 45             | 2.96                                           | 0.15                                | EETUQ2G681LJ                                                                    | 100                             |
|             | 820                                         | 35           | 50             | 3.25                                           | 0.15                                | EETUQ2G821LJ                                                                    | 100                             |
| 450         | 82                                          | 22           | 25             | 0.83                                           | 0.15                                | EETUQ2W820HJ                                                                    | 200                             |
|             | 100                                         | 22           | 25             | 0.93                                           | 0.15                                | EETUQ2W101HJ                                                                    | 200                             |
|             | 120                                         | 22           | 30             | 1.04                                           | 0.15                                | EETUQ2W121HJ                                                                    | 200                             |
|             | 150                                         | 22           | 35             | 1.19                                           | 0.15                                | EETUQ2W151HJ                                                                    | 200                             |
|             |                                             | 25           | 30             | 1.19                                           | 0.15                                | EETUQ2W151JJ                                                                    | 200                             |
|             | 180                                         | 22           | 40             | 1.35                                           | 0.15                                | EETUQ2W181HJ                                                                    | 200                             |
|             |                                             | 25           | 30             | 1.35                                           | 0.15                                | EETUQ2W181JJ                                                                    | 200                             |
|             | 220                                         | 22           | 45             | 1.55                                           | 0.15                                | EETUQ2W221HJ                                                                    | 200                             |

Endurance : 85°C 2000h

Terminal Pitch : 10mm

When capacitors of  $\phi 35 \times 45\text{L}$  and  $\phi 35 \times 50\text{L}$  are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)

Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

## ■ Standard Products

| W.V.<br>(V) | Cap.<br>(±20%)<br>(μF) | Case size    |                | Specification                                  |                             | Part No.<br>PET sleeve<br>Terminal Length<br>4.0mm<br>(Without P.V.C.plate) | Min.Packaging Q'ty<br>(pcs) |
|-------------|------------------------|--------------|----------------|------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------|-----------------------------|
|             |                        | Dia.<br>(mm) | Length<br>(mm) | Ripple<br>current<br>(120Hz)<br>(+85°C)<br>(A) | tan δ<br>(120Hz)<br>(+20°C) |                                                                             |                             |
| 450         | 220                    | 25           | 40             | 1.55                                           | 0.15                        | EETUQ2W221JJ                                                                | 200                         |
|             |                        | 30           | 30             | 1.55                                           | 0.15                        | EETUQ2W221KJ                                                                | 200                         |
|             |                        | 35           | 25             | 1.55                                           | 0.15                        | EETUQ2W221LJ                                                                | 200                         |
|             | 270                    | 22           | 50             | 1.78                                           | 0.15                        | EETUQ2W271HJ                                                                | 200                         |
|             |                        | 25           | 40             | 1.78                                           | 0.15                        | EETUQ2W271JJ                                                                | 200                         |
|             |                        | 30           | 30             | 1.78                                           | 0.15                        | EETUQ2W271KJ                                                                | 200                         |
|             | 330                    | 25           | 50             | 2.01                                           | 0.15                        | EETUQ2W331JJ                                                                | 200                         |
|             |                        | 30           | 40             | 2.01                                           | 0.15                        | EETUQ2W331KJ                                                                | 100                         |
|             |                        | 35           | 30             | 2.01                                           | 0.15                        | EETUQ2W331LJ                                                                | 200                         |
|             | 390                    | 30           | 40             | 2.24                                           | 0.15                        | EETUQ2W391KJ                                                                | 100                         |
|             |                        | 35           | 35             | 2.24                                           | 0.15                        | EETUQ2W391LJ                                                                | 100                         |
|             | 470                    | 30           | 45             | 2.53                                           | 0.15                        | EETUQ2W471KJ                                                                | 100                         |
|             |                        | 35           | 40             | 2.53                                           | 0.15                        | EETUQ2W471LJ                                                                | 100                         |
|             | 560                    | 30           | 50             | 2.82                                           | 0.15                        | EETUQ2W561KJ                                                                | 100                         |
|             |                        | 35           | 45             | 2.82                                           | 0.15                        | EETUQ2W561LJ                                                                | 100                         |

Endurance : 85°C 2000h

Terminal Pitch : 10mm

When capacitors of φ35x45L and φ35x50L are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)