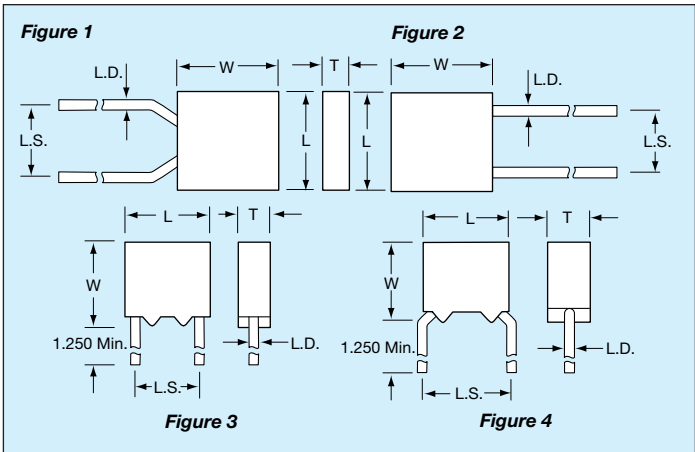




## HOW TO ORDER

### Military Type Designation:

Established Reliability = CCR05, CCR06, CCR07, CCR08, CCR09

Non-Established Reliability = CC05, CC06, CC07, CC08, CC09

### CCR06

#### Style

CC = Identifies temperature compensating, ceramic dielectric, fixed capacitors.  
R = Identifies Established Reliability parts  
06 = Numbers identify shape and dimension

### CG

#### Temperature Characteristic

| Permissible capacitance change from capacitance at +25°C in ppm/°C |                  |          |
|--------------------------------------------------------------------|------------------|----------|
| Characteristic                                                     |                  | Temp.    |
| CX                                                                 | 1/               | +125°C   |
|                                                                    | 1/               | -55°C 2/ |
| CK                                                                 | ±250 ppm/°C      | +125°C   |
|                                                                    | +246.25, -326.25 | -55°C 2/ |
| CJ                                                                 | ±120 ppm/°C      | +125°C   |
|                                                                    | +116.25, -166.25 | -55°C 2/ |
| CH                                                                 | ±60 ppm/°C       | +125°C   |
|                                                                    | +55.00, -91.25   | -55°C 2/ |
| CG                                                                 | ±30 ppm/°C       | +125°C   |
|                                                                    | +27.50, -53.75   | -55°C 2/ |

1/ Not practically measurable.  
2/ The ppm/°C values for -55°C were calculated by dividing ppm by negative 80°C.

### 183

#### Capacitance

First two digits are the significant figures of capacitance. Third digit indicates the additional number of zeros. For example, order 18,000 pF as 183. (For values below 10pF use "R" in place of decimal point, e.g., 1R4 = 1.4pF)

### J

#### Capacitance Tolerance

C = ±0.25pF  
D = ±0.5pF  
F = ±1%  
G = ±2%  
J = ±5%  
K = ±10%

### R

#### Military Failure Rate

M = 1% per 1000 hours  
P = 0.1% per 1000 hours  
R = 0.01% per 1000 hours  
S = 0.001% per 1000 hours

### (V)

#### Standoff Option

To order standoff option, place "V" at the end of the part number.  
Example:  
CCR05CG332FSV

**Not RoHS Compliant**

## PACKAGING REQUIREMENTS

Packaging: CCR0X: 100 pcs/bag; CC0X: 1000 pcs/bag

## SIZE SPECIFICATIONS

Dimensions: Millimeters (Inches)

| Per MIL Spec               | Case Size                |                          |                         |                          |                        |
|----------------------------|--------------------------|--------------------------|-------------------------|--------------------------|------------------------|
| MIL-PRF-20                 | Length (L)               | Width (W)                | Thickness (T)           | Lead Spacing (L.S.)      | Lead Diameter (L.D.)   |
| CCR05/CC05<br>Figures 1, 4 | 4.83±.25<br>(.190±.010)  | 4.83±.25<br>(.190±.010)  | 2.29±.25<br>(.090±.010) | 5.08±.38<br>(.200±.015)  | .64±.05<br>(.025±.002) |
| CCR06/CC06<br>Figures 2, 3 | 7.37±.25<br>(.290±.010)  | 7.37±.25<br>(.290±.010)  | 2.29±.25<br>(.090±.010) | 5.08±.38<br>(.200±.015)  | .64±.05<br>(.025±.002) |
| CCR07/CC07<br>Figure 2     | 12.19±.51<br>(.480±.020) | 12.19±.51<br>(.480±.020) | 3.56±.25<br>(.140±.010) | 10.16±.51<br>(.400±.020) | .64±.05<br>(.025±.002) |
| CCR08/CC08<br>Figure 2     | 12.19±.51<br>(.480±.020) | 12.19±.51<br>(.480±.020) | 6.1±.25<br>(.240±.010)  | 10.16±.51<br>(.400±.020) | .64±.05<br>(.025±.002) |
| CCR09/CC09<br>Figure 2     | 4.83±.25<br>(.190±.010)  | 4.83±.25<br>(.190±.010)  | 2.29±.25<br>(.090±.010) | 2.54±.38<br>(.100±.015)  | .64±.05<br>(.025±.002) |

## MILITARY PART NUMBER IDENTIFICATION

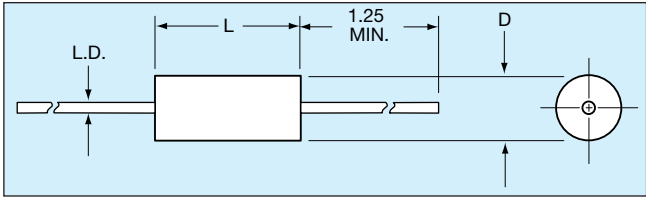
| Military Type Designation     | Capacitance (pF) | Capacitance Tolerance | WVDC |
|-------------------------------|------------------|-----------------------|------|
| <b>CC05-CCR05, CC09-CCR09</b> |                  |                       |      |
| CCR05CX1R0                    | 1.0              | B, C                  | 200  |
| CCR05CX1R1                    | 1.1              | B, C                  | 200  |
| CCR05CX1R2                    | 1.2              | B, C                  | 200  |
| CCR05CX1R3                    | 1.3              | B, C                  | 200  |
| CCR05CX1R5                    | 1.5              | B, C                  | 200  |
| CCR05CX1R6                    | 1.6              | B, C                  | 200  |
| CCR05CX1R8                    | 1.8              | B, C                  | 200  |
| CCR05CX2R0                    | 2.0              | B, C                  | 200  |
| CCR05CK2R2                    | 2.2              | B, C                  | 200  |
| CCR05CK2R4                    | 2.4              | B, C                  | 200  |
| CCR05CK2R7                    | 2.7              | B, C, D               | 200  |
| CCR05CK3R0                    | 3.0              | B, C, D               | 200  |
| CCR05CK3R3                    | 3.3              | B, C, D               | 200  |
| CCR05CK3R6                    | 3.6              | B, C, D               | 200  |
| CCR05CK3R9                    | 3.9              | B, C, D               | 200  |
| CCR05CJ4R3                    | 4.3              | B, C, D               | 200  |
| CCR05CJ4R7                    | 4.7              | B, C, D               | 200  |
| CCR05CJ5R1                    | 5.1              | B, C, D               | 200  |
| CCR05CJ5R6                    | 5.6              | B, C, D               | 200  |
| CCR05CJ6R2                    | 6.2              | B, C, D               | 200  |
| CCR05CJ6R8                    | 6.8              | B, C, D               | 200  |
| CCR05CJ7R5                    | 7.5              | B, C, D               | 200  |
| CCR05CH8R2                    | 8.2              | B, C, D               | 200  |
| CCR05CH9R1                    | 9.1              | B, C, D               | 200  |
| CCR05CH100                    | 10               | F, G, J               | 200  |
| CCR05CH110                    | 11               | F, G, J               | 200  |
| CCR05CH120                    | 12               | F, G, J               | 200  |
| CCR05CH130                    | 13               | F, G, J               | 200  |
| CCR05CH150                    | 15               | F, G, J               | 200  |
| CCR05CH160                    | 16               | F, G, J               | 200  |
| CCR05CH180                    | 18               | F, G, J               | 200  |
| CCR05CG200                    | 20               | F, G, J               | 200  |
| CCR05CG220                    | 22               | F, G, J               | 200  |
| CCR05CG240                    | 24               | F, G, J               | 200  |
| CCR05CG270                    | 27               | F, G, J               | 200  |
| CCR05CG300                    | 30               | F, G, J               | 200  |
| CCR05CG330                    | 33               | F, G, J               | 200  |
| CCR05CG360                    | 36               | F, G, J               | 200  |
| CCR05CG390                    | 39               | F, G, J               | 200  |
| CCR05CG430                    | 43               | F, G, J               | 200  |
| CCR05CG470                    | 47               | F, G, J               | 200  |
| CCR05CG510                    | 51               | F, G, J               | 200  |
| CCR05CG560                    | 56               | F, G, J               | 200  |
| CCR05CG620                    | 62               | F, G, J               | 200  |
| CCR05CG680                    | 68               | F, G, J               | 200  |
| CCR05CG750                    | 75               | F, G, J               | 200  |
| CCR05CG820                    | 82               | F, G, J               | 200  |
| CCR05CG910                    | 91               | F, G, J               | 200  |
| CCR05CG101                    | 100              | F, G, J               | 200  |
| CCR05CG111                    | 110              | F, G, J               | 200  |
| CCR05CG121                    | 120              | F, G, J               | 200  |
| CCR05CG131                    | 130              | F, G, J               | 200  |
| CCR05CG151                    | 150              | F, G, J               | 200  |
| CCR05CG161                    | 160              | F, G, J               | 200  |
| CCR05CG181                    | 180              | F, G, J               | 200  |
| CCR05CG201                    | 200              | F, G, J               | 200  |
| CCR05CG221                    | 220              | F, G, J               | 200  |
| CCR05CG241                    | 240              | F, G, J               | 200  |
| CCR05CG271                    | 270              | F, G, J               | 200  |
| CCR05CG301                    | 300              | F, G, J               | 200  |
| CCR05CG331                    | 330              | F, G, J               | 200  |
| CCR05CG361                    | 360              | F, G, J               | 100  |
| CCR05CG391                    | 390              | F, G, J               | 100  |
| CCR05CG431                    | 430              | F, G, J               | 100  |
| CCR05CG471                    | 470              | F, G, J               | 100  |
| CCR05CG511                    | 510              | F, G, J               | 100  |
| CCR05CG561                    | 560              | F, G, J               | 100  |
| CCR05CG621                    | 620              | F, G, J               | 100  |
| CCR05CG681                    | 680              | F, G, J               | 100  |
| CCR05CG751                    | 750              | F, G, J               | 100  |
| CCR05CG821                    | 820              | F, G, J               | 100  |
| CCR05CG911                    | 910              | F, G, J               | 100  |
| CCR05CG102                    | 1,000            | F, G, J               | 100  |
| CCR05CG112                    | 1,100            | F, G, J               | 100  |
| CCR05CG122                    | 1,200            | F, G, J               | 100  |
| CCR05CG132                    | 1,300            | F, G, J               | 100  |
| CCR05CG152                    | 1,500            | F, G, J               | 100  |
| CCR05CG162                    | 1,600            | F, G, J               | 100  |
| CCR05CG182                    | 1,800            | F, G, J               | 100  |
| CCR05CG202                    | 2,000            | F, G, J               | 50   |

Add appropriate failure rate level (M, P, R or S)  
Add appropriate cap. tolerance letter

| Military Type Designation            | Capacitance (pF) | Capacitance Tolerance | WVDC |
|--------------------------------------|------------------|-----------------------|------|
| <b>CC05-CCR05, CC09-CCR09 (cont)</b> |                  |                       |      |
| CCR05CG222                           | 2,200            | F, G, J               | 50   |
| CCR05CG242                           | 2,400            | F, G, J               | 50   |
| CCR05CG272                           | 2,700            | F, G, J               | 50   |
| CCR05CG302                           | 3,000            | F, G, J               | 50   |
| CCR05CG332                           | 3,300            | F, G, J               | 50   |
| <b>CC06, CCR06</b>                   |                  |                       |      |
| CCR06CG361                           | 360              | F, G, J               | 200  |
| CCR06CG391                           | 390              | F, G, J               | 200  |
| CCR06CG431                           | 430              | F, G, J               | 200  |
| CCR06CG471                           | 470              | F, G, J               | 200  |
| CCR06CG511                           | 510              | F, G, J               | 200  |
| CCR06CG561                           | 560              | F, G, J               | 200  |
| CCR06CG621                           | 620              | F, G, J               | 200  |
| CCR06CG681                           | 680              | F, G, J               | 200  |
| CCR06CG751                           | 750              | F, G, J               | 200  |
| CCR06CG821                           | 820              | F, G, J               | 200  |
| CCR06CG911                           | 910              | F, G, J               | 200  |
| CCR06CG102                           | 1,000            | F, G, J               | 200  |
| CCR06CG112                           | 1,100            | F, G, J               | 200  |
| CCR06CG122                           | 1,200            | F, G, J               | 200  |
| CCR06CG132                           | 1,300            | F, G, J               | 200  |
| CCR06CG152                           | 1,500            | F, G, J               | 200  |
| CCR06CG162                           | 1,600            | F, G, J               | 200  |
| CCR06CG182                           | 1,800            | F, G, J               | 200  |
| CCR06CG202                           | 2,000            | F, G, J               | 100  |
| CCR06CG222                           | 2,200            | F, G, J               | 100  |
| CCR06CG242                           | 2,400            | F, G, J               | 100  |
| CCR06CG272                           | 2,700            | F, G, J               | 100  |
| CCR06CG302                           | 3,000            | F, G, J               | 100  |
| CCR06CG332                           | 3,300            | F, G, J               | 100  |
| CCR06CG362                           | 3,600            | F, G, J               | 100  |
| CCR06CG392                           | 3,900            | F, G, J               | 100  |
| CCR06CG432                           | 4,300            | F, G, J               | 100  |
| CCR06CG472                           | 4,700            | F, G, J               | 100  |
| CCR06CG512                           | 5,100            | F, G, J, K            | 50   |
| CCR06CG562                           | 5,600            | F, G, J, K            | 50   |
| CCR06CG622                           | 6,200            | F, G, J, K            | 50   |
| CCR06CG682                           | 6,800            | F, G, J, K            | 50   |
| CCR06CG752                           | 7,500            | F, G, J, K            | 50   |
| CCR06CG822                           | 8,200            | F, G, J, K            | 50   |
| CCR06CG912                           | 9,100            | F, G, J, K            | 50   |
| CCR06CG103                           | 10,000           | F, G, J, K            | 50   |
| CCR06CG123                           | 12,000           | F, G, J, K            | 50   |
| CCR06CG153                           | 15,000           | F, G, J, K            | 50   |
| CCR06CG183                           | 18,000           | F, G, J, K            | 50   |
| <b>CC07, CCR07</b>                   |                  |                       |      |
| CCR07CG222                           | 2,200            | F, G, J, K            | 200  |
| CCR07CG272                           | 2,700            | F, G, J, K            | 200  |
| CCR07CG332                           | 3,300            | F, G, J, K            | 200  |
| CCR07CG392                           | 3,900            | F, G, J, K            | 200  |
| CCR07CG472                           | 4,700            | F, G, J, K            | 200  |
| CCR07CG562                           | 5,600            | F, G, J, K            | 100  |
| CCR07CG682                           | 6,800            | F, G, J, K            | 100  |
| CCR07CG822                           | 8,200            | F, G, J, K            | 100  |
| CCR07CG103                           | 10,000           | F, G, J, K            | 100  |
| CCR07CG123                           | 12,000           | F, G, J, K            | 100  |
| CCR07CG153                           | 15,000           | F, G, J, K            | 50   |
| CCR07CG183                           | 18,000           | F, G, J, K            | 50   |
| CCR07CG223                           | 22,000           | F, G, J, K            | 50   |
| CCR07CG273                           | 27,000           | F, G, J, K            | 50   |
| CCR07CG333                           | 33,000           | F, G, J, K            | 50   |
| CCR07CG393                           | 39,000           | F, G, J, K            | 50   |
| CCR07CG473                           | 47,000           | F, G, J, K            | 50   |
| CCR07CG563                           | 56,000           | F, G, J, K            | 50   |
| CCR07CG683                           | 68,000           | F, G, J, K            | 50   |
| CCR07CG823                           | 82,000           | F, G, J, K            | 50   |
| CCR07CG104                           | 100,000          | F, G, J, K            | 50   |
| <b>CC08, CCR08</b>                   |                  |                       |      |
| CCR08CG392                           | 3,900            | G, J, K               | 200  |
| CCR08CG472                           | 4,700            | G, J, K               | 200  |
| CCR08CG153                           | 15,000           | G, J, K               | 100  |
| CCR08CG183                           | 18,000           | G, J, K               | 100  |
| CCR08CG563                           | 56,000           | G, J, K               | 50   |
| CCR08CG683                           | 68,000           | G, J, K               | 50   |

Add appropriate failure rate level (M, P, R or S)  
Add appropriate cap. tolerance letter

**Note:** For marking information, see page 74.



## HOW TO ORDER

### Military Type Designation:

Established Reliability = CCR75, CCR76, CCR77, CCR78, CCR79

Non-Established Reliability = CC75, CC76, CC77, CC78, CC79

### CCR76

#### Style

CC = Identifies temperature compensating, ceramic dielectric, fixed capacitors.  
R = Identifies Established Reliability parts.  
76 = Numbers identify shape and dimension.

### CG

#### Temperature Characteristic

| Permissible capacitance change from capacitance at +25°C in ppm/°C |                  |          |
|--------------------------------------------------------------------|------------------|----------|
| Characteristic                                                     |                  | Temp.    |
| CX                                                                 | 1/               | +125°C   |
|                                                                    | 1/               | -55°C 2/ |
| CK                                                                 | ±250 ppm/°C      | +125°C   |
|                                                                    | +246.25, -326.25 | -55°C 2/ |
| CJ                                                                 | ±120 ppm/°C      | +125°C   |
|                                                                    | +116.25, -166.25 | -55°C 2/ |
| CH                                                                 | ±60 ppm/°C       | +125°C   |
|                                                                    | +55.00, -91.25   | -55°C 2/ |
| CG                                                                 | ±30 ppm/°C       | +125°C   |
|                                                                    | +27.50, -53.75   | -55°C 2/ |

1/ Not practically measurable.

2/ The ppm/°C values for -55°C were calculated by dividing ppm by negative 80°C.

### 102

#### Capacitance

First two digits are the significant figures of capacitance. Third digit indicates the additional number of zeros. For example, order 1,000 pF as 102. (For values below 10pF use "R" in place of decimal point, e.g., 1R8 = 1.8pF.)

### K

#### Capacitance Tolerance

C = ±0.25pF  
D = ±0.5pF  
F = ±1%  
G = ±2%  
J = ±5%  
K = ±10%

### R

#### Military Failure Rate

M = 1% per 1000 hours  
P = 0.1% per 1000 hours  
R = 0.01% per 1000 hours  
S = 0.001% per 1000 hours

Not RoHS Compliant

## PACKAGING REQUIREMENTS

### Packaging:

#### Bulk

CCR75/CC75, CCR76/CC76, CCR77/CC77, 100 pcs/bag  
CCR78/CC78, CCR79/CC79 50 pcs/bag

#### Tape & Reel

CCR75/CC75, CCR76/CC76 5000 pcs/reel  
CCR77/CC77 3000 pcs/reel  
CCR78/CC78 950 pcs/reel  
CCR79/CC79 650 pcs/reel

## SIZE SPECIFICATIONS

Dimensions: Millimeters (Inches)

| Per MIL Spec  | Case Size                |                         |                        |
|---------------|--------------------------|-------------------------|------------------------|
| MIL-PRF-20    | Length (L)               | Diameter (D)            | Lead Diameter (L.D.)   |
| CCR75<br>CC75 | 4.07±.25<br>(.160±.010)  | 2.29±.25<br>(.090±.010) | .48±.05<br>(.019±.002) |
| CCR76<br>CC76 | 6.35±.25<br>(.250±.010)  | 2.29±.25<br>(.090±.010) | .48±.05<br>(.019±.002) |
| CCR77<br>CC77 | 9.91±.25<br>(.390±.010)  | 3.56±.25<br>(.140±.010) | .63±.05<br>(.025±.002) |
| CCR78<br>CC78 | 12.7±.51<br>(.500±.020)  | 6.35±.38<br>(.250±.015) | .63±.05<br>(.025±.002) |
| CCR79<br>CC79 | 17.53±.51<br>(.690±.020) | 8.89±.51<br>(.350±.020) | .63±.05<br>(.025±.002) |

## MILITARY PART NUMBER IDENTIFICATION CC75 THRU CC79 AND CCR75 THRU CCR79

| Military Type Designation | Capacitance (pF) | Capacitance Tolerance | WVDC |
|---------------------------|------------------|-----------------------|------|
| CC75-CCR75                |                  |                       |      |
| CCR75CX1R0                | 1.0              | C                     | 200  |
| CCR75CX1R1                | 1.1              | C                     | 200  |
| CCR75CX1R2                | 1.2              | C                     | 200  |
| CCR75CX1R3                | 1.3              | C                     | 200  |
| CCR75CX1R5                | 1.5              | C                     | 200  |
| CCR75CX1R6                | 1.6              | C                     | 200  |
| CCR75CX1R8                | 1.8              | C                     | 200  |
| CCR75CX2R0                | 2.0              | C                     | 200  |
| CCR75CK2R2                | 2.2              | C                     | 200  |
| CCR75CK2R4                | 2.4              | C                     | 200  |
| CCR75CK2R7                | 2.7              | C, D                  | 200  |
| CCR75CK3R0                | 3.0              | C, D                  | 200  |
| CCR75CK3R3                | 3.3              | C, D                  | 200  |
| CCR75CK3R6                | 3.6              | C, D                  | 200  |
| CCR75CK3R9                | 3.9              | C, D                  | 200  |
| CCR75CJ4R3                | 4.3              | C, D                  | 200  |
| CCR75CJ4R7                | 4.7              | C, D                  | 200  |
| CCR75CJ5R1                | 5.1              | C, D                  | 200  |
| CCR75CJ5R6                | 5.6              | C, D                  | 200  |
| CCR75CJ6R2                | 6.2              | C, D                  | 200  |
| CCR75CJ6R8                | 6.8              | C, D                  | 200  |
| CCR75CJ7R5                | 7.5              | C, D                  | 200  |
| CCR75CH8R2                | 8.2              | C, D                  | 200  |
| CCR75CH9R1                | 9.1              | C, D                  | 200  |
| CCR75CH100                | 10               | G, J                  | 200  |
| CCR75CH110                | 11               | G, J                  | 200  |
| CCR75CH120                | 12               | G, J                  | 200  |
| CCR75CH130                | 13               | G, J                  | 200  |
| CCR75CH150                | 15               | G, J                  | 200  |
| CCR75CH160                | 16               | G, J                  | 200  |
| CCR75CH180                | 18               | G, J                  | 200  |
| CCR75CG200                | 20               | F, G, J               | 200  |
| CCR75CG220                | 22               | F, G, J               | 200  |
| CCR75CG240                | 24               | F, G, J               | 200  |
| CCR75CG270                | 27               | F, G, J               | 200  |
| CCR75CG300                | 30               | F, G, J               | 200  |

— Add appropriate failure rate level (M, P, R or S)  
— Add appropriate cap. tolerance letter

| Military Type Designation | Capacitance (pF) | Capacitance Tolerance | WVDC |
|---------------------------|------------------|-----------------------|------|
| CC75-CCR75                |                  |                       |      |
| CCR75CG330                | 33               | F, G, J               | 200  |
| CCR75CG360                | 36               | F, G, J               | 200  |
| CCR75CG390                | 39               | F, G, J               | 200  |
| CCR75CG430                | 43               | F, G, J               | 200  |
| CCR75CG470                | 47               | F, G, J               | 200  |
| CCR75CG510                | 51               | F, G, J               | 200  |
| CCR75CG560                | 56               | F, G, J               | 200  |
| CCR75CG620                | 62               | F, G, J               | 200  |
| CCR75CG680                | 68               | F, G, J               | 200  |
| CCR75CG750                | 75               | F, G, J               | 200  |
| CCR75CG820                | 82               | F, G, J               | 100  |
| CCR75CG910                | 91               | F, G, J               | 100  |
| CCR75CG101                | 100              | F, G, J               | 100  |
| CCR75CG111                | 110              | F, G, J               | 100  |
| CCR75CG121                | 120              | F, G, J               | 100  |
| CCR75CG131                | 130              | F, G, J               | 100  |
| CCR75CG151                | 150              | F, G, J               | 100  |
| CCR75CG161                | 160              | F, G, J               | 100  |
| CCR75CG181                | 180              | F, G, J               | 100  |
| CCR75CG201                | 200              | F, G, J               | 100  |
| CCR75CG221                | 220              | F, G, J               | 100  |
| CCR75CG241                | 240              | F, G, J               | 100  |
| CCR75CG271                | 270              | F, G, J               | 50   |
| CCR75CG301                | 300              | F, G, J               | 50   |
| CCR75CG331                | 330              | F, G, J               | 50   |
| CCR75CG361                | 360              | F, G, J               | 50   |
| CCR75CG391                | 390              | F, G, J               | 50   |
| CCR75CG431                | 430              | F, G, J               | 50   |
| CCR75CG471                | 470              | F, G, J               | 50   |
| CCR75CG511                | 510              | F, G, J               | 50   |
| CCR75CG561                | 560              | F, G, J               | 50   |
| CCR75CG621                | 620              | F, G, J               | 50   |
| CCR75CG681                | 680              | F, G, J               | 50   |

— Add appropriate failure rate level (M, P, R or S)  
— Add appropriate cap. tolerance letter

**Note:** For marking information, see page 74.

## MILITARY PART NUMBER IDENTIFICATION CC75 THRU CC79 AND CCR75 THRU CCR79

| Military Type Designation | Capacitance (pF) | Capacitance Tolerance | WVDC |
|---------------------------|------------------|-----------------------|------|
| <b>CC76, CCR76</b>        |                  |                       |      |
| CCR76CG820_               | 82               | F, G, J               | 200  |
| CCR76CG910_               | 91               | F, G, J               | 200  |
| CCR76CG101_               | 100              | F, G, J               | 200  |
| CCR76CG111_               | 110              | F, G, J               | 200  |
| CCR76CG121_               | 120              | F, G, J               | 200  |
| CCR76CG131_               | 130              | F, G, J               | 200  |
| CCR76CG271_               | 270              | F, G, J               | 100  |
| CCR76CG301_               | 300              | F, G, J               | 100  |
| CCR76CG331_               | 330              | F, G, J               | 100  |
| CCR76CG361_               | 360              | F, G, J               | 100  |
| CCR76CG391_               | 390              | F, G, J               | 100  |
| CCR76CG431_               | 430              | F, G, J               | 100  |
| CCR76CG471_               | 470              | F, G, J               | 100  |
| CCR76CG511_               | 510              | F, G, J               | 100  |
| CCR76CG561_               | 560              | F, G, J               | 100  |
| CCR76CG621_               | 620              | F, G, J               | 100  |
| CCR76CG681_               | 680              | F, G, J               | 100  |
| CCR76CG751_               | 750              | F, G, J               | 50   |
| CCR76CG821_               | 820              | F, G, J               | 50   |
| CCR76CG911_               | 910              | F, G, J               | 50   |
| CCR76CG102_               | 1,000            | F, G, J               | 50   |
| <b>CC77, CCR77</b>        |                  |                       |      |
| CCR77CG151_               | 150              | F, G, J               | 200  |
| CCR77CG161_               | 160              | F, G, J               | 200  |
| CCR77CG181_               | 180              | F, G, J               | 200  |
| CCR77CG201_               | 200              | F, G, J               | 200  |
| CCR77CG221_               | 220              | F, G, J               | 200  |
| CCR77CG241_               | 240              | F, G, J               | 200  |
| CCR77CG271_               | 270              | F, G, J               | 200  |
| CCR77CG301_               | 300              | F, G, J               | 200  |
| CCR77CG331_               | 330              | F, G, J               | 200  |
| CCR77CG361_               | 360              | F, G, J               | 200  |
| CCR77CG391_               | 390              | F, G, J               | 200  |
| CCR77CG431_               | 430              | F, G, J               | 200  |
| CCR77CG471_               | 470              | F, G, J               | 200  |
| CCR77CG511_               | 510              | F, G, J               | 200  |
| CCR77CG561_               | 560              | F, G, J               | 200  |
| CCR77CG621_               | 620              | F, G, J               | 200  |
| CCR77CG681_               | 680              | F, G, J               | 200  |
| CCR77CG751_               | 750              | F, G, J               | 100  |
| CCR77CG821_               | 820              | F, G, J               | 100  |
| CCR77CG911_               | 910              | F, G, J               | 100  |
| CCR77CG102_               | 1,000            | F, G, J               | 100  |
| CCR77CG112_               | 1,100            | F, G, J               | 100  |
| CCR77CG122_               | 1,200            | F, G, J               | 100  |
| CCR77CG132_               | 1,300            | F, G, J               | 100  |
| CCR77CG152_               | 1,500            | F, G, J               | 100  |
| CCR77CG162_               | 1,600            | F, G, J               | 100  |
| CCR77CG182_               | 1,800            | F, G, J               | 100  |
| CCR77CG202_               | 2,000            | F, G, J               | 100  |
| CCR77CG222_               | 2,200            | F, G, J               | 100  |
| CCR77CG242_               | 2,400            | F, G, J               | 50   |
| CCR77CG272_               | 2,700            | F, G, J               | 50   |

— Add appropriate failure rate level (M, P, R or S)  
 — Add appropriate cap. tolerance letter

| Military Type Designation | Capacitance (pF) | Capacitance Tolerance | WVDC |
|---------------------------|------------------|-----------------------|------|
| <b>CC77, CCR77 (cont)</b> |                  |                       |      |
| CCR77CG302_               | 3,000            | F, G, J               | 50   |
| CCR77CG332_               | 3,300            | F, G, J               | 50   |
| CCR77CG362_               | 3,600            | F, G, J               | 50   |
| CCR77CG392_               | 3,900            | F, G, J               | 50   |
| CCR77CG432_               | 4,300            | F, G, J               | 50   |
| CCR77CG472_               | 4,700            | F, G, J               | 50   |
| CCR77CG512_               | 5,100            | F, G, J, K            | 50   |
| CCR77CG562_               | 5,600            | F, G, J, K            | 50   |
| <b>CC78, CCR78</b>        |                  |                       |      |
| CCR78CG821_               | 820              | F, G, J, K            | 200  |
| CCR78CG102_               | 1,000            | F, G, J, K            | 200  |
| CCR78CG122_               | 1,200            | F, G, J, K            | 200  |
| CCR78CG152_               | 1,500            | F, G, J, K            | 200  |
| CCR78CG182_               | 1,800            | F, G, J, K            | 200  |
| CCR78CG222_               | 2,200            | F, G, J, K            | 200  |
| CCR78CG272_               | 2,700            | F, G, J, K            | 200  |
| CCR78CG332_               | 3,300            | F, G, J, K            | 200  |
| CCR78CG392_               | 3,900            | F, G, J, K            | 100  |
| CCR78CG472_               | 4,700            | F, G, J, K            | 100  |
| CCR78CG562_               | 5,600            | F, G, J, K            | 100  |
| CCR78CG682_               | 6,800            | F, G, J, K            | 100  |
| CCR78CG822_               | 8,200            | F, G, J, K            | 100  |
| CCR78CG103_               | 10,000           | F, G, J, K            | 100  |
| CCR78CG123_               | 12,000           | F, G, J, K            | 100  |
| CCR78CG153_               | 15,000           | F, G, J, K            | 50   |
| CCR78CG183_               | 18,000           | F, G, J, K            | 50   |
| CCR78CG223_               | 22,000           | F, G, J, K            | 50   |
| CCR78CG273_               | 27,000           | F, G, J, K            | 50   |
| <b>CC79, CCR79</b>        |                  |                       |      |
| CCR79CG392_               | 3,900            | F, G, J, K            | 200  |
| CCR79CG472_               | 4,700            | F, G, J, K            | 200  |
| CCR79CG562_               | 5,600            | F, G, J, K            | 200  |
| CCR79CG682_               | 6,800            | F, G, J, K            | 200  |
| CCR79CG822_               | 8,200            | F, G, J, K            | 200  |
| CCR79CG103_               | 10,000           | F, G, J, K            | 200  |
| CCR79CG153_               | 15,000           | F, G, J, K            | 100  |
| CCR79CG183_               | 18,000           | F, G, J, K            | 100  |
| CCR79CG223_               | 22,000           | F, G, J, K            | 100  |
| CCR79CG273_               | 27,000           | F, G, J, K            | 100  |
| CCR79CG333_               | 33,000           | F, G, J, K            | 100  |
| CCR79CG393_               | 39,000           | F, G, J, K            | 100  |
| CCR79CG473_               | 47,000           | F, G, J, K            | 50   |
| CCR79CG563_               | 56,000           | F, G, J, K            | 50   |
| CCR79CG683_               | 68,000           | F, G, J, K            | 50   |
| CCR79CG823_               | 82,000           | F, G, J, K            | 50   |

— Add appropriate failure rate level (M, P, R or S)  
 — Add appropriate cap. tolerance letter

**Note:** Complete type designation will include the appropriate capacitance tolerance in the 11th digit. For CC styles, delete 3rd and 12th digits.

**Note:** For marking information, see page 74.

## MARKING

### Radials

#### CC05 & CC09

|                    |                    |
|--------------------|--------------------|
| CC05<br>CH<br>100G | 0810<br>A0<br>4222 |
| FRONT              | BACK               |

Date Code  
A=Lot Letter  
0=1st Digit of AVX FSCM #  
4222=Last four digits of AVX FSCM #

#### CCR05 & CCR09

|                      |                     |
|----------------------|---------------------|
| CCR0<br>5CH1<br>00GM | 0810<br>AJ0<br>4222 |
| FRONT                | BACK                |

Date Code  
A=Lot Letter  
J="J" or "JAN" Brand  
0=1st Digit of AVX FSCM #  
4222=Last four digits of AVX FSCM #

#### CC06

|                    |                        |
|--------------------|------------------------|
| CC06<br>CG<br>102F | 0810A<br>200V<br>04222 |
| FRONT              | BACK                   |

Date Code & Lot Letter  
200V=Rated Voltage  
04222=AVX FSCM #

#### CCR06

|                      |                         |
|----------------------|-------------------------|
| CCR06<br>CG102<br>FM | 0810A<br>J200V<br>04222 |
| FRONT                | BACK                    |

Date Code & Lot Letter  
J="J" or "JAN" Brand  
200V=Rated Voltage  
04222=AVX FSCM #

#### CC07

|                         |
|-------------------------|
| CG<br>103<br>G8<br>AAVX |
|-------------------------|

Characteristic  
Capacitance Value  
Cap. Tolerance & Year Code (8 for 2008)  
Lot Code & Trademark

#### CCR07

|                           |
|---------------------------|
| JCG<br>103<br>GM8<br>AAVX |
|---------------------------|

"J" Brand (J) and Characteristic (CG)  
Capacitance Value  
Cap. Tolerance (G) FR Level (M), & Year Code (8 for 2008)  
Lot Code (A); and Trademark (AVX)

#### CC08

|                                              |
|----------------------------------------------|
| CC08CG<br>392K<br>AVX<br>96095<br>200V 0810A |
|----------------------------------------------|

Trademark or Manufacturer's Name  
Source Code (FSCM)  
Voltage, Date Code and Lot Symbol

#### CCR08

|                                                    |
|----------------------------------------------------|
| CCR08CG<br>392KM<br>JAN AVX<br>96095<br>200V 0810A |
|----------------------------------------------------|

"JAN" Brand & Trademark or Manufacturer's Name  
Source Code (FSCM)  
Voltage, Date Code and Lot Symbol

### Axials

#### CC75, CC76

|                           |
|---------------------------|
| CG<br>101<br>G08<br>10AAA |
|---------------------------|

Characteristic  
Capacitance Value  
Cap. Tolerance & 2 digit Year Code  
2 digit Week, 2 digit Lot Code, A for AVX

#### CCR75, CCR76

|                             |
|-----------------------------|
| JCG<br>101<br>GM08<br>10AAA |
|-----------------------------|

"J" Brand (J) and Characteristic (CG)  
Capacitance Value  
Cap. Tolerance (G) FR Level (M), & 2 digit Year Code  
2 digit Week, A for AVX

#### CC77

|                                   |
|-----------------------------------|
| CC77C<br>G151F<br>04222<br>0810AA |
|-----------------------------------|

Type Designation  
FSCM  
4 digit Date Code, 2 digit Lot Code

#### CCR77

|                                      |
|--------------------------------------|
| CCR77C<br>G151FM<br>JO4222<br>0810AA |
|--------------------------------------|

Type Designation  
"J" Brand and FSCM  
4 digit Date Code, 2 digit Lot Code

#### CC78, CC79

|                                                  |
|--------------------------------------------------|
| CC78CG<br>821K<br>AVX<br>04222<br>200V<br>0810AA |
|--------------------------------------------------|

Type Designation  
Trademark or Manufacturer's Name  
Source Code (FSCM)  
Voltage  
4 digit Date Code

#### CCR78, CCR79

|                                                          |
|----------------------------------------------------------|
| CCR78<br>CG<br>821KM<br>JAN A<br>04222<br>200V<br>0810AA |
|----------------------------------------------------------|

Type Designation  
TC  
Capacitance Tolerance, Failure Rate  
"JAN" Brand, A for AVX  
FSCM  
Voltage  
4 digit Date Code, 2 digit Lot Code