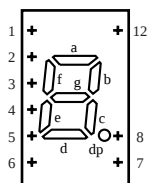


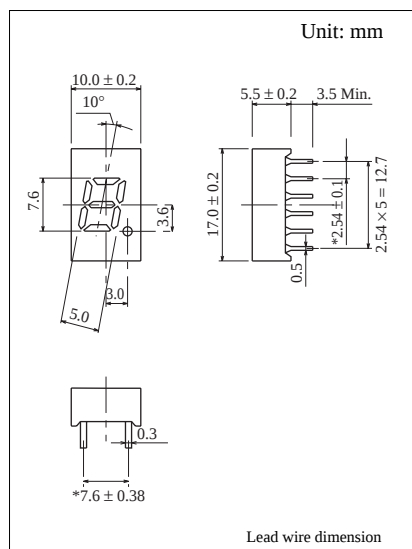
## 1 Digit 7.6 mm (.3") Series

| Conventional Part No. | Global Part No. | Lighting Color |
|-----------------------|-----------------|----------------|
| LN513RAS              | LNM213AS01      | Red            |
| LN513RKS              | LNM213KS01      | Red            |
| LN513GAS              | LNM313AS01      | Green          |
| LN513GKS              | LNM313KS01      | Green          |

### Terminal Connection



| Pin No. | Assignment   | Assignment     |
|---------|--------------|----------------|
| 1       | Cathode b    | Anode b        |
| 2       | Cathode a    | Anode a        |
| 3       | Cathode f    | Anode f        |
| 4       | Cathode e    | Anode e        |
| 5       | Cathode d    | Anode d        |
| 6       | Cathode c    | Anode c        |
| 7       | Cathode dp   | Anode dp       |
| 8       | Common Anode | Common Cathode |
| 9       | —            | —              |
| 10      | —            | —              |
| 11      | —            | —              |
| 12      | Cathode g    | Anode g        |



### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

| Lighting Color | $P_D$ (mW) | $I_F$ (mA) | $I_{FP}$ (mA)* | $V_R$ (V) | $T_{opr}$ ( $^\circ\text{C}$ ) | $T_{stg}$ ( $^\circ\text{C}$ ) |
|----------------|------------|------------|----------------|-----------|--------------------------------|--------------------------------|
| Red            | 60         | 20         | 100            | 5         | -25 ~ +80                      | -30 ~ +85                      |
| Green          | 60         | 20         | 100            | 5         | -25 ~ +80                      | -30 ~ +85                      |

$I_{FP}$  の条件は  $\rho$  duty 10% Pulse width 1 msec. The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec

### Electro-Optical Characteristics ( $T_a = 25^\circ\text{C}$ )

| Conventional Part No. | Lighting Color | Common  | $I_O$ / seg    |                | $I_O$ / d.p    |       | $V_F$ |     | $\lambda_P$ | $\Delta\lambda$ | $I_F$ | $I_R$         |       |
|-----------------------|----------------|---------|----------------|----------------|----------------|-------|-------|-----|-------------|-----------------|-------|---------------|-------|
|                       |                |         | Typ            | Min            | Typ            | $I_F$ | Typ   | Max |             |                 |       | Max           | $V_R$ |
| LN513RAS              | Red            | Anode   | 400            | 150            | 150            | 5     | 2.2   | 2.8 | 700         | 100             | 20    | 10            | 5     |
| LN513RKS              | Red            | Cathode | 400            | 150            | 150            | 5     | 2.2   | 2.8 | 700         | 100             | 20    | 10            | 5     |
| LN513GAS              | Green          | Anode   | 1200           | 400            | 400            | 10    | 2.2   | 2.8 | 565         | 30              | 20    | 10            | 5     |
| LN513GKS              | Green          | Cathode | 1200           | 400            | 400            | 10    | 2.2   | 2.8 | 565         | 30              | 20    | 10            | 5     |
| Unit                  | —              | —       | $\mu\text{cd}$ | $\mu\text{cd}$ | $\mu\text{cd}$ | mA    | V     | V   | nm          | nm              | mA    | $\mu\text{A}$ | V     |

