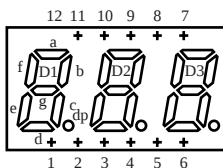


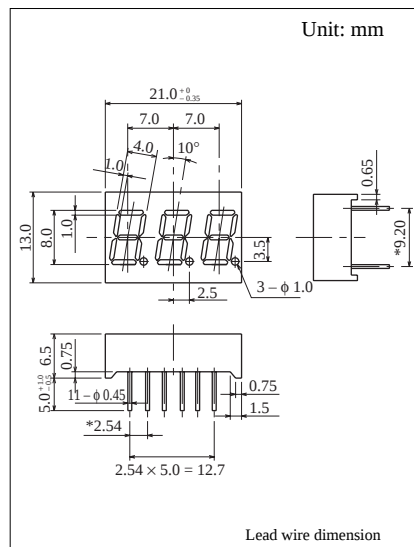
## 3 Digit 8.0mm (.3") Series

| Conventional Part No. | Global Part No. | Lighting Color |
|-----------------------|-----------------|----------------|
| LN533RAMRS            | LN233AS02       | Red            |
| LN533RKMRs            | LN233KS02       | Red            |
| LN533GAMGS            | LN333AS02       | Green          |
| LN533GKMGS            | LN333KS02       | Green          |

### Terminal Connection



| Pin No. | Assignment      | Assignment        |
|---------|-----------------|-------------------|
| 1       | Cathode c       | Anode c           |
| 2       | Common Anode D1 | Common Cathode D1 |
| 3       | Cathode d       | Anode d           |
| 4       | Common Anode D2 | Common Cathode D2 |
| 5       | Common Anode D3 | Common Cathode D3 |
| 6       | Cathode dp      | Anode dp          |
| 7       | Cathode b       | Anode b           |
| 8       | Cathode f       | Anode f           |
| 9       | Cathode a       | Anode a           |
| 10      | Cathode e       | Anode e           |
| 11      | Cathode g       | Anode g           |
| 12      | No Pin          | No Pin            |



### ■ 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            | 34         | 12         | 65             | 5         | -25 ~ +80                 | -30 ~ +85                 |
| Green          | 34         | 12         | 65             | 5         | -25 ~ +80                 | -30 ~ +85                 |

$I_{FP}$  の条件は  $duty$  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  | $I_O$          |                | $I_O/d.p$      | $I_F$ | $V_F$ |     | $\lambda_P$ | $\Delta\lambda$ | $I_F$ | $I_R$         |       |
|-----------------------|----------------|---------|----------------|----------------|----------------|-------|-------|-----|-------------|-----------------|-------|---------------|-------|
|                       |                |         | Typ            | Min            | Typ            |       | Typ   | Max |             |                 |       | Max           | $V_R$ |
| LN533RAMRS            | Red            | Anode   | 200            | 70             | 70             | 5     | 2.03  | 2.8 | 700         | 100             | 10    | 10            | 5     |
| LN533RKMRs            | Red            | Cathode | 200            | 70             | 70             | 5     | 2.03  | 2.8 | 700         | 100             | 10    | 10            | 5     |
| LN533GAMGS            | Green          | Anode   | 1000           | 300            | 300            | 10    | 2.03  | 2.8 | 565         | 30              | 10    | 10            | 5     |
| LN533GKMGS            | Green          | Cathode | 1000           | 300            | 300            | 10    | 2.03  | 2.8 | 565         | 30              | 10    | 10            | 5     |
| Unit                  | —              | —       | $\mu\text{cd}$ | $\mu\text{cd}$ | $\mu\text{cd}$ | mA    | V     | V   | nm          | nm              | mA    | $\mu\text{A}$ | V     |

