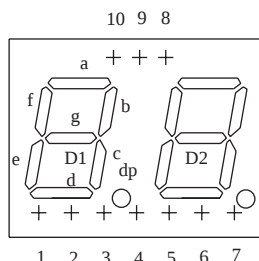


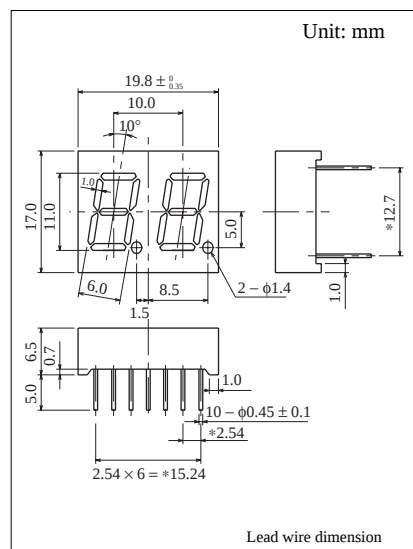
## 2 Digit 11.0mm (.4") Series

| Conventional Part No. | Global Part No. | Lighting Color |
|-----------------------|-----------------|----------------|
| LN524RAS              | LNM224AS01D     | Red            |
| LN524RKS              | LNM224KS01D     | Red            |
| LN524GAS              | LNM324AS01D     | Green          |
| LN524GKS              | LNM324KS01D     | Green          |

### Terminal Connection



| Pin No. | Assignment      | Assignment        |
|---------|-----------------|-------------------|
| 1       | Cathode c1      | Anode c1          |
| 2       | Cathode e1      | Anode e1          |
| 3       | Cathode d1      | Anode d1          |
| 4       | Common Anode D1 | Common Cathode D1 |
| 5       | Common Anode D2 | Common Cathode D2 |
| 6       | Cathode d2      | Anode d2          |
| 7       | Cathode e2      | Anode e2          |
| 8       | Cathode c2      | Anode c2          |
| 9       | Cathode g2      | Anode g2          |
| 10      | Cathode a2      | Anode a2          |
| 11      | Cathode f2      | Anode f2          |
| 12      | Cathode b2      | Anode b2          |
| 13      | Cathode b1      | Anode b1          |
| 14      | Cathode f1      | Anode f1          |
| 14      | Cathode a1      | Anode a1          |
| 14      | Cathode g1      | Anode g1          |



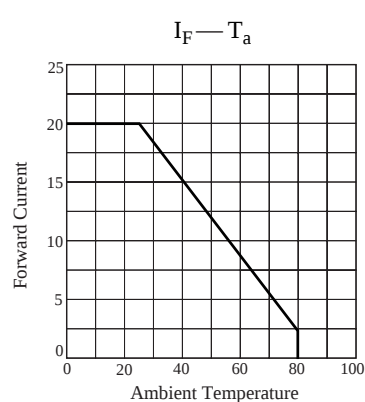
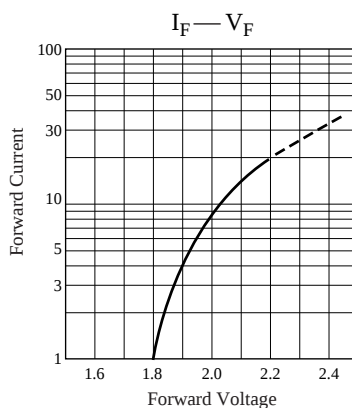
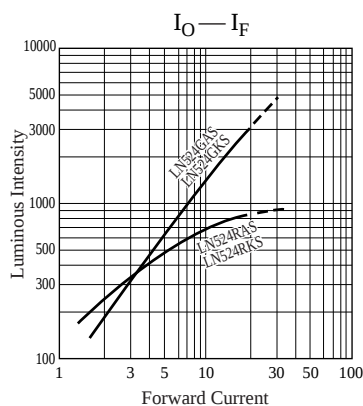
### ■ Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

| 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                      |

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   | Max |             |                 |       | Max           | $V_R$ |
| LN524RAS              | Red            | Anode   | 450            | 150            | —              | 5     | 2.2   | 2.8 | 700         | 100             | 20    | 10            | 5     |
| LN524RKS              | Red            | Cathode | 450            | 150            | —              | 5     | 2.2   | 2.8 | 700         | 100             | 20    | 10            | 5     |
| LN524GAS              | Green          | Anode   | 1500           | 500            | —              | 10    | 2.2   | 2.8 | 565         | 30              | 20    | 10            | 5     |
| LN524GKS              | Green          | Cathode | 1500           | 500            | —              | 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     |



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