

1 Digit 25.4 mm (1.0") Series

Conventional Part No. Global Part No. Lighting Color

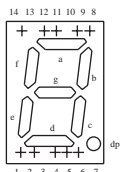
LN5110GAMW LNM311AP03 Green

LN5110GKMW LNM311KP03 Green

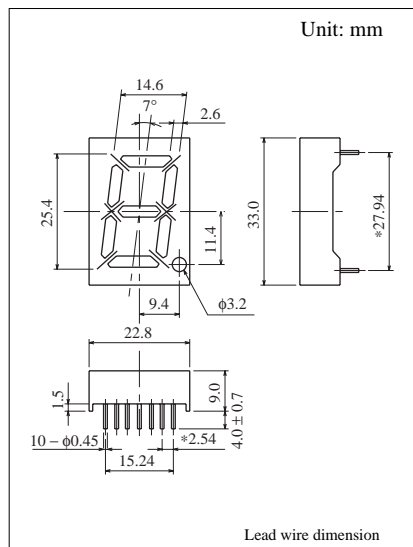
LN5110OAMW LNM811AA03 Orange

LN5110OKMW LNM811KA03 Orange

Terminal Connection



| Pin No. | Assignment | Assignment |
|---------|--------------|----------------|
| 1 | Cathode e | Anode e |
| 2 | Cathode d | Anode d |
| 3 | _____ | _____ |
| 4 | Common Anode | Common Cathode |
| 5 | Cathode c | Anode c |
| 6 | Cathode dp | Anode dp |
| 7 | _____ | _____ |
| 8 | Cathode b | Anode b |
| 9 | Cathode a | Anode a |
| 10 | _____ | _____ |
| 11 | Common Anode | Common Cathode |
| 12 | Cathode f | Anode f |
| 13 | _____ | _____ |
| 14 | Cathode g | Anode g |



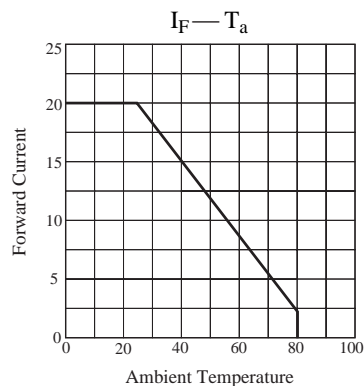
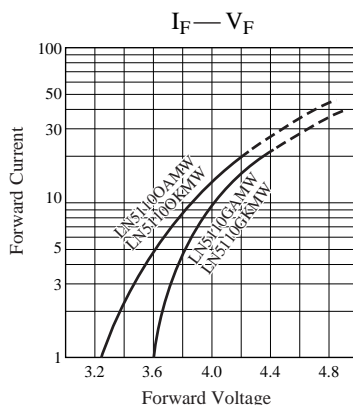
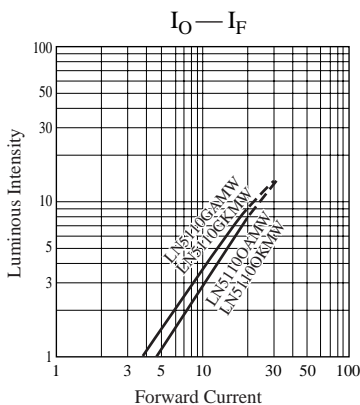
■ Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

| Lighting Color | $P_D(\text{mW})$ | $I_F(\text{mA})$ | $I_{FP}(\text{mA})^*$ | $V_R(\text{V})$ | $T_{opr}(\text{C})$ | $T_{stg}(\text{C})$ |
|----------------|------------------|------------------|-----------------------|-----------------|---------------------|---------------------|
| Green | 110 | 20 | 100 | 5 | $-25 \sim +80$ | $-30 \sim +85$ |
| Orange | 110 | 20 | 100 | 3 | $-25 \sim +80$ | $-30 \sim +85$ |

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 / seg | | $I_O / \text{d.p.}$ | I_F | V_F | | λ_P | $\Delta\lambda$ | I_F | I_R | |
|-----------------------|----------------|---------|--------------------|----------------|---------------------|-------|-------|-----|-------------|-----------------|-------|---------------|-------|
| | | | Typ | Min | Typ | | Typ | Max | | | | Max | V_R |
| LN5110GAMW | Green | Anode | 3.5 | 1.4 | 1.2 | 10 | 4.4 | 5.6 | 565 | 30 | 20 | 10 | 10 |
| LN5110GKMW | Green | Cathode | 3.5 | 1.4 | 1.2 | 10 | 4.4 | 5.6 | 565 | 30 | 20 | 10 | 10 |
| LN5110OAMW | Orange | Anode | 3.0 | 1.2 | 1.0 | 10 | 4.2 | 5.6 | 630 | 40 | 20 | 10 | 6 |
| LN5110OKMW | Orange | Cathode | 3.0 | 1.2 | 1.0 | 10 | 4.2 | 5.6 | 630 | 40 | 20 | 10 | 6 |
| Unit | — | — | μcd | μcd | μcd | mA | V | V | nm | nm | mA | μA | V |



Caution for Safety

 **DANGER**

Gallium arsenide material (GaAs) is used in this product.

Therefore, do not burn, destroy, cut, crush, or chemically decompose the product, since gallium arsenide material in powder or vapor form is harmful to human health.

Observe the relevant laws and regulations when disposing of the products. Do not mix them with ordinary industrial waste or household refuse when disposing of GaAs-containing products.

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