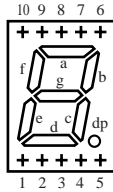


# Numeric Display

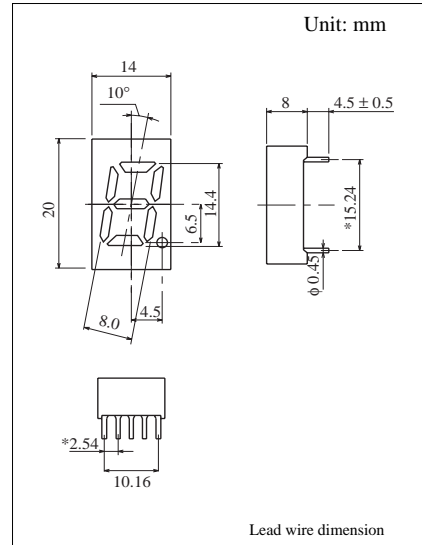
## Two Color Lighting 1 Digit 14.4 mm (.6") Series

Conventional Part No. LN516RGA ..... Global Part No. LNM116AP01 ..... Lighting Color Red, Green

### Terminal Connection



| Pin No. | Assignment              |
|---------|-------------------------|
| 1       | Cathode e (Red, Green)  |
| 2       | Cathode d (Red, Green)  |
| 3       | Common Anode (Red)      |
| 4       | Cathode c (Red, Green)  |
| 5       | Cathode dp (Red, Green) |
| 6       | Cathode b (Red, Green)  |
| 7       | Cathode a (Red, Green)  |
| 8       | Common Anode (Green)    |
| 9       | Cathode f (Red, Green)  |
| 10      | Cathode g (Red, Green)  |



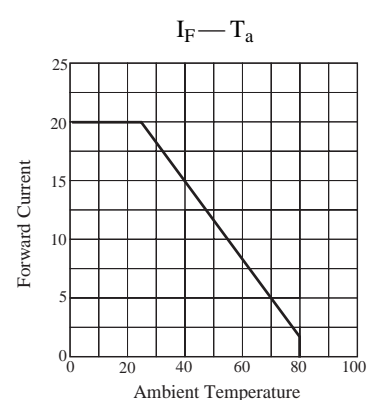
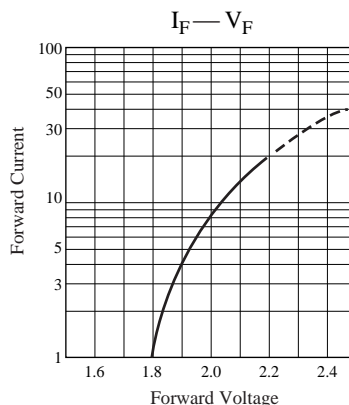
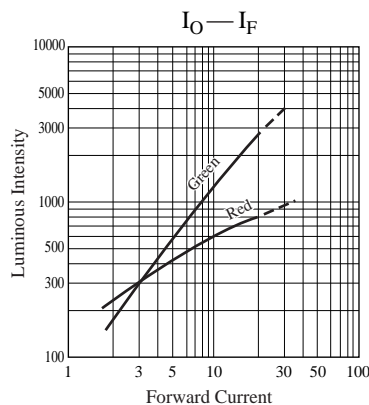
### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

| 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 | $I_O$ / seg    |                | $I_F$ | $V_F$ |     | $\lambda_p$ | $\Delta\lambda$ | $I_F$ | $I_R$         |     |
|-----------------------|----------------|--------|----------------|----------------|-------|-------|-----|-------------|-----------------|-------|---------------|-----|
|                       |                |        | Typ            | Min            |       | Typ   | Typ |             |                 |       | Max           | Max |
| LN516RGA              | Red            | Anode  | 450            | 150            | 5     | 2.2   | 2.8 | 700         | 100             | 20    | 10            | 5   |
|                       | Green          |        | 1500           | 500            | 10    | 2.2   | 2.8 | 565         | 30              | 20    | 10            | 5   |
| Unit                  | —              | —      | $\mu\text{cd}$ | $\mu\text{cd}$ | mA    | V     | V   | nm          | nm              | mA    | $\mu\text{A}$ | V   |



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