

**SELECTOR GUIDE**

| Part Number  | Dice   | Lens Color / Type | Pack Size    | View Angle 2 $\theta$ 1/2 |
|--------------|--------|-------------------|--------------|---------------------------|
| MTA4064-HR-A | Orange | Red Diffused      | PCB 5mm Quad | 38 °                      |

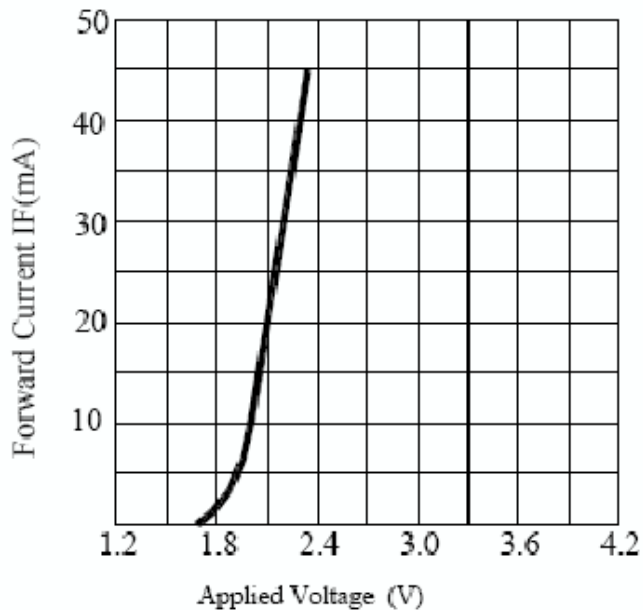
**ELECTRICAL / OPTICAL CHARACTERISTICS AT T<sub>A</sub>=25°C**

| Parameter                | Symbol            | Device | Min. | Typ. | Max. | Units | Test Conditions |
|--------------------------|-------------------|--------|------|------|------|-------|-----------------|
| Forward Voltage          | V <sub>F</sub>    | Orange | -    | 2.1  | 2.6  | V     | 20mA            |
| Reverse Current          | I <sub>R</sub>    | Orange | -    | -    | 100  | μA    | 5V              |
| Luminous Intensity       | I <sub>v</sub>    | Orange | 24   | 40   | -    | mcd   | 20mA            |
| Peak Wavelength          | λ <sub>peak</sub> | Orange | -    | 635  | -    | nm    | 20mA            |
| Dominant Wavelength      | λ <sub>D</sub>    | Orange | -    | 626  | -    | nm    | 20mA            |
| Spectral Line Half-Width | Δλ <sub>1/2</sub> | Orange | -    | 35   | -    | nm    | 20mA            |

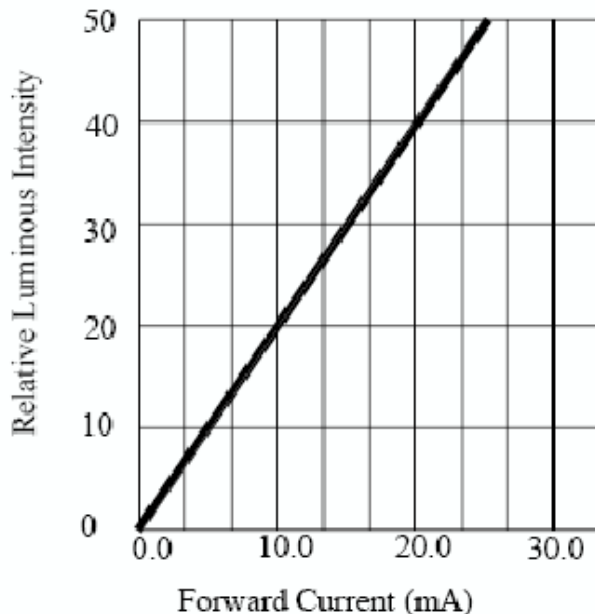
**ABSOLUTE MAXIMUM RATINGS AT T<sub>A</sub>=25°C**

| Parameter                                    | Rating     | Units            |
|--|------------|------------------|
| Forward Current ( I <sub>F</sub> )           | 30         | mA               |
| Power Dissipation ( P <sub>D</sub> )         | 78         | mW               |
| Reverse Voltage ( V <sub>R</sub> )           | 5          | V                |
| Operating Temperature ( T <sub>OPR</sub> )   | -20 ~ +85  | °C               |
| Storage Temperature ( T <sub>STG</sub> )     | -40 ~ +100 | °C               |
| Lead Solder Temperature ( T <sub>SOL</sub> ) | 260        | @ for 5 sec. max |

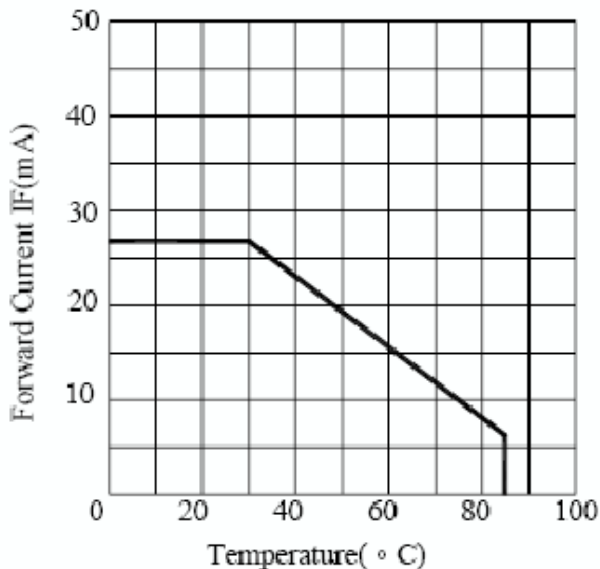
1. All Dimensions Are In Millimeters (inches).
2. Tolerance Is +0.25(0.01") Unless Otherwise Noted.
3. Specifications Are Subject To Change Without Notice.



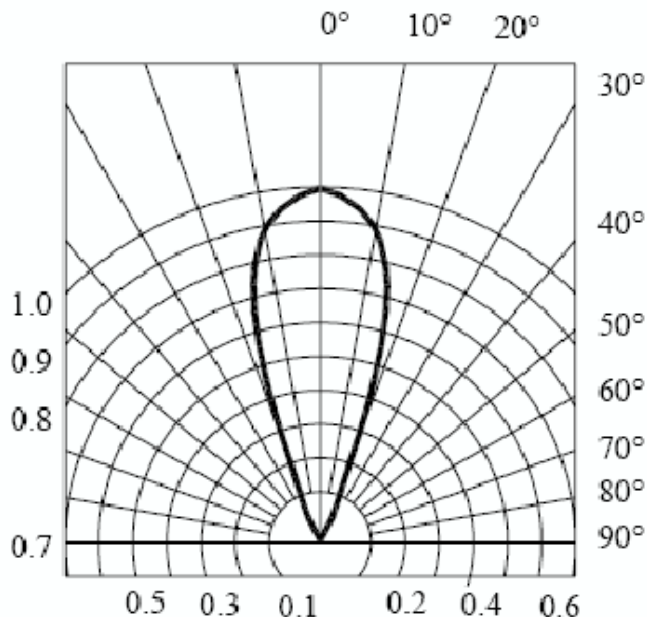
**FORWARD CURRENT VS. APPLIED VOLTAGE**



**FORWARD CURRENT VS. LUMINOUS INTENSITY**



**FORWARD CURRENT VS. AMBIENT TEMPERATURE**



**Radiation Pattern**

