

**SELECTOR GUIDE**

Part Number	Dice	Lens Color / Type	Pack Size	View Angle 2θ 1/2
MT4164S4-HR-A	Orange	Red Diffused	5mm Panel Mount	40 °

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

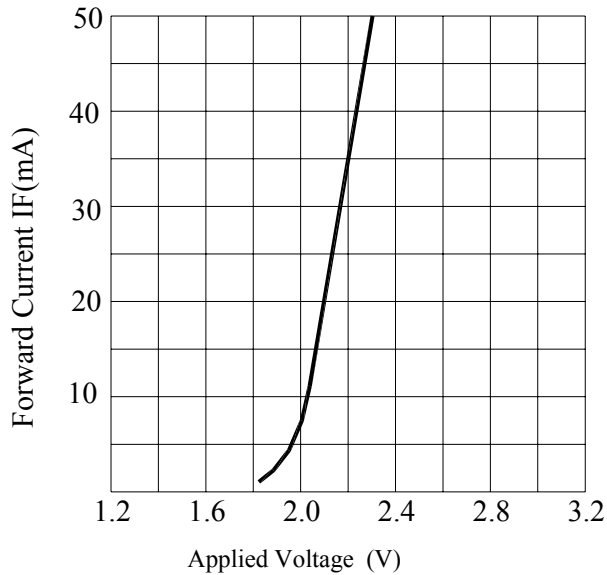
Parameter	Symbol	Device	Min.	Typ.	Max.	Units	Test Conditions
Forward Voltage	V <sub>F</sub>	Orange	-	2.1	2.6	V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>	Orange	-	-	100	μA	V <sub>R</sub> =5V
Luminous Intensity	I <sub>V</sub>	Orange	33	55	-	mcd	I <sub>F</sub> =20mA
Peak Wavelength	λ <sub>peak</sub>	Orange	-	635	-	nm	I <sub>F</sub> =20mA
Dominant Wavelength	λ <sub>D</sub>	Orange	-	626	-	nm	I <sub>F</sub> =20mA
Spectral Line Half-Width	Δλ <sub>1/2</sub>	Orange	-	35	-	nm	I <sub>F</sub> =20mA

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

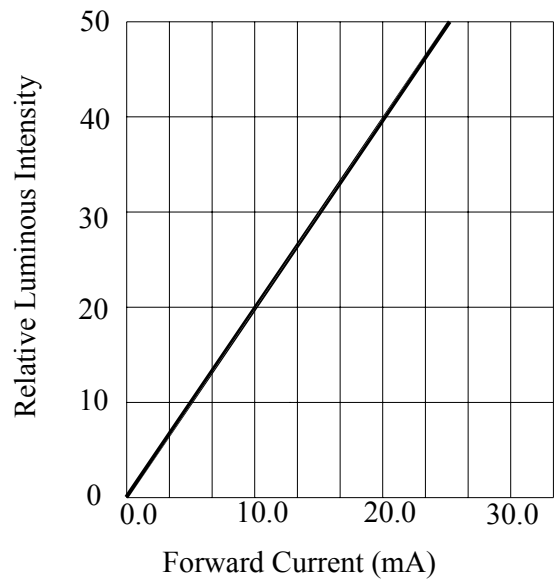
Parameter	Rating	Units
Forward Current ( I <sub>F</sub> )	30	mA
Power Dissipation ( P <sub>D</sub> )	78	mW
Reverse Voltage ( V <sub>R</sub> )	5	V
Operating Temperature ( T <sub>OPR</sub> )	-25 ~ +85	°C
Storage Temperature ( T <sub>STG</sub> )	-40 ~ +100	°C
Lead Solder Temperature ( T <sub>SOL</sub> )	260 °C @ 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.

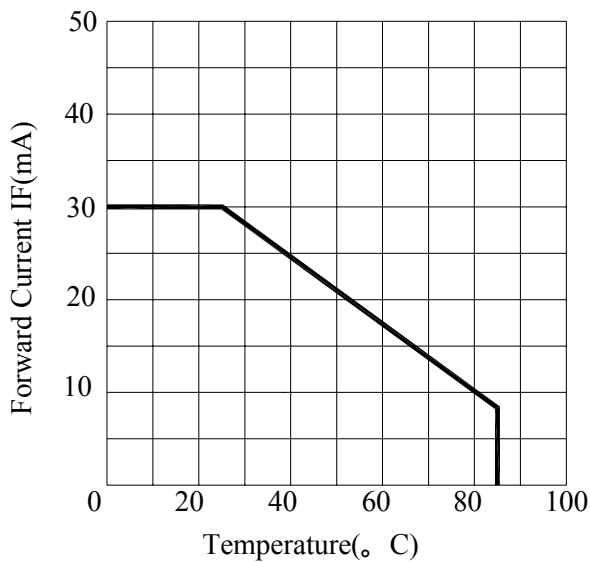
## Typical Electrical/Optical Characteristic Curves



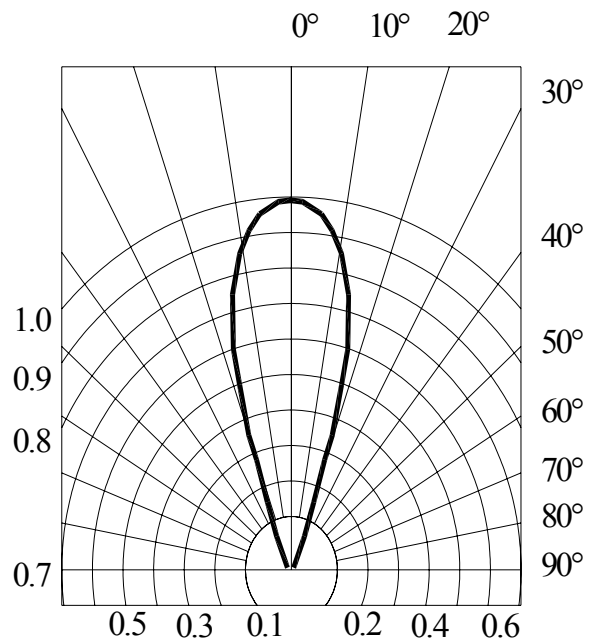
**FORWARD CURRENT VS. APPLIED VOLTAGE**



**FORWARD CURRENT VS. LUMINOUS INTENSITY**



**FORWARD CURRENT VS. AMBIENT TEMPERATURE**



**RADIATION DIAGRAM**

