

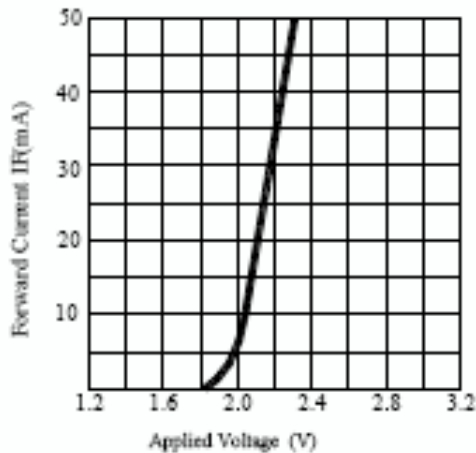
SELECTOR GUIDE				
Part Number	Dice	Lens Color / Type	Pack Size	View Angle 2θ 1/2
MT240-R-A	Red	Red Diffused	3mm Round 40° - 120°	60 °

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>	Red	-	2.1	3.0	V	I <sub>F</sub> =20mA	
Reverse Current	I <sub>R</sub>	Red	-	-	100	μA	V <sub>R</sub> =5V	
Luminous Intensity	I <sub>V</sub>	Red	2.0	3.5	-	mcd	I <sub>F</sub> =20mA	
Peak Wavelength	λ <sub>peak</sub>	Red	-	700	-	nm	I <sub>F</sub> =20mA	
Dominant Wavelength	λ <sub>D</sub>	Red	-	650	-	nm	I <sub>F</sub> =20mA	
Spectral Line Half-Width	Δλ <sub>1/2</sub>	Red	-	100	-	nm	I <sub>F</sub> =20mA	

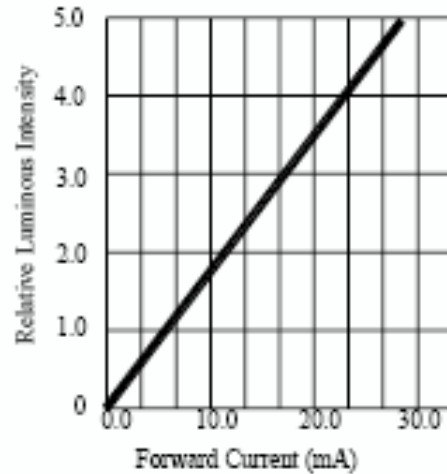
ABSOLUTE MAXIMUM RATINGS AT T <sub>A</sub> =25°C		
Parameter	Rating	Units
Forward Current ( I <sub>F</sub> )	30	mA
Power Dissipation ( P <sub>D</sub> )	90	mW
Reverse Voltage ( V <sub>R</sub> )	5	V
Operating Temperature ( T <sub>OPR</sub> )	-25 ~ +85	°C
Storage Temperature ( T <sub>STG</sub> )	-40 ~ +100	°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.

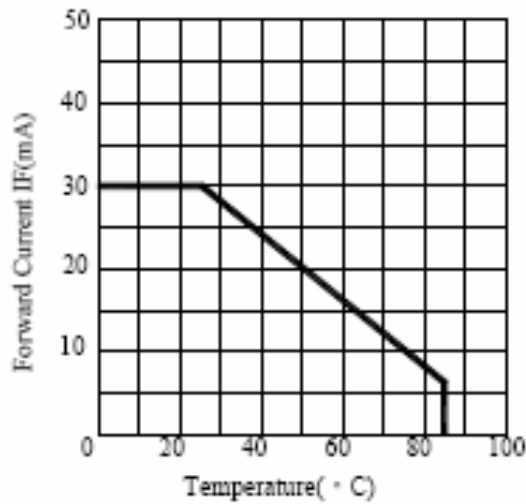
**Typical Electrical / Optical Characteristics Curves :**



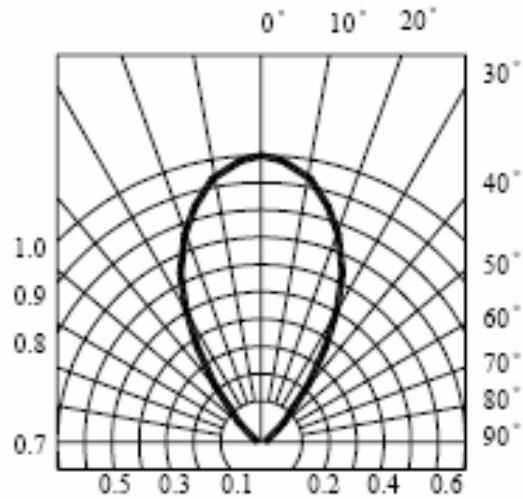
**FORWARD CURRENT VS APPLIED VOLTAGE**



**FORWARD CURRENT VS. LUMINOUS INTENSITY**



**FORWARD CURRENT VS. AMBIENT TEMPERATURE**



**RADIATION DIAGRAM**

