

**SELECTOR GUIDE**

Part Number	Dice	Lens Color / Type	Pack Size	View Angle 2 $\theta$ 1/2
MT2030-HRG-A	Orange Red Green	White Diffused	3mm Round Bicolor	118 °

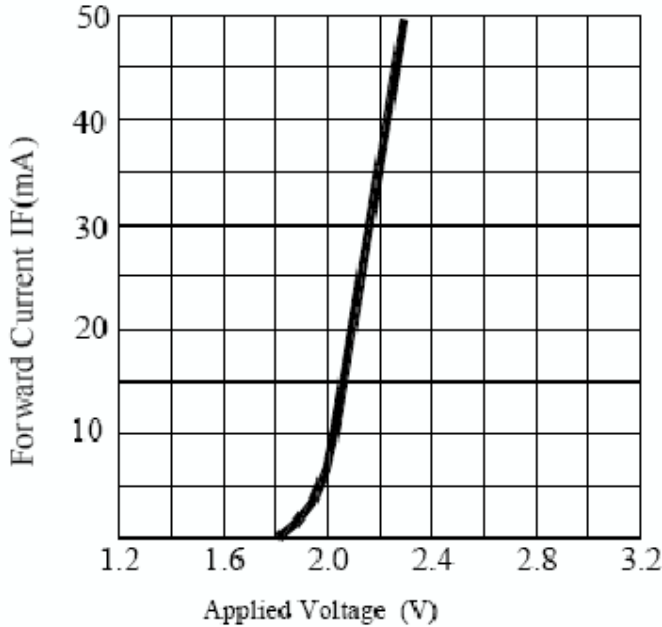
**ELECTRICAL / OPTICAL CHARACTERISTICS AT T<sub>A</sub>=25°C**

Parameter	Symbol	Device	Min.	Typ.	Max.	Units	Test Conditions
Forward Voltage	V <sub>F</sub>	Orange Red Green	-	2.1 2.1	2.6 2.6	V	20mA
Reverse Current	I <sub>R</sub>	Orange Red Green	-	-	100 100	μA	5V
Luminous Intensity	I <sub>v</sub>	Orange Red Green	4.29 3.0	9.0 7.0	-	mcd	20mA
Peak Wavelength	λ <sub>peak</sub>	Orange Red Green	-	635 567	-	nm	20mA
Dominant Wavelength	λ <sub>D</sub>	Orange Red Green	-	626 572	-	nm	20mA
Spectral Line Half-Width	Δλ 1/2	Orange Red Green	-	35 30	-	nm	20mA

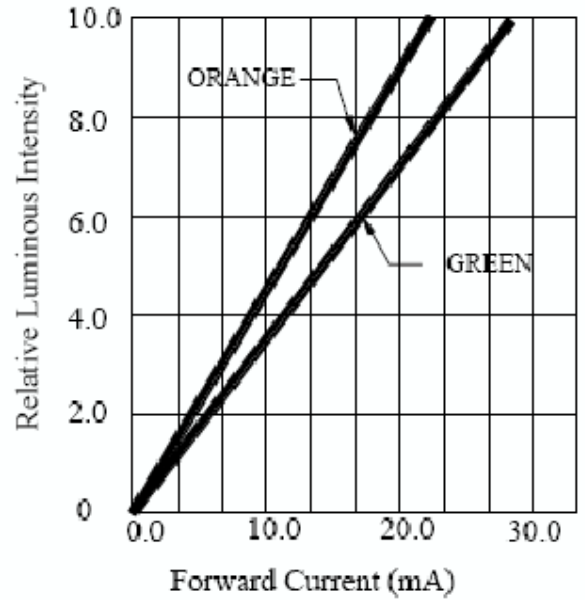
**ABSOLUTE MAXIMUM RATINGS AT T<sub>A</sub>=25°C**

Parameter	Rating	Units
Forward Current ( I <sub>F</sub> )	30	mA
	30	
Power Dissipation ( P <sub>D</sub> )	78	mW
	78	
Reverse Voltage ( V <sub>R</sub> )	5	V
	5	
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	@ for 5 sec. max

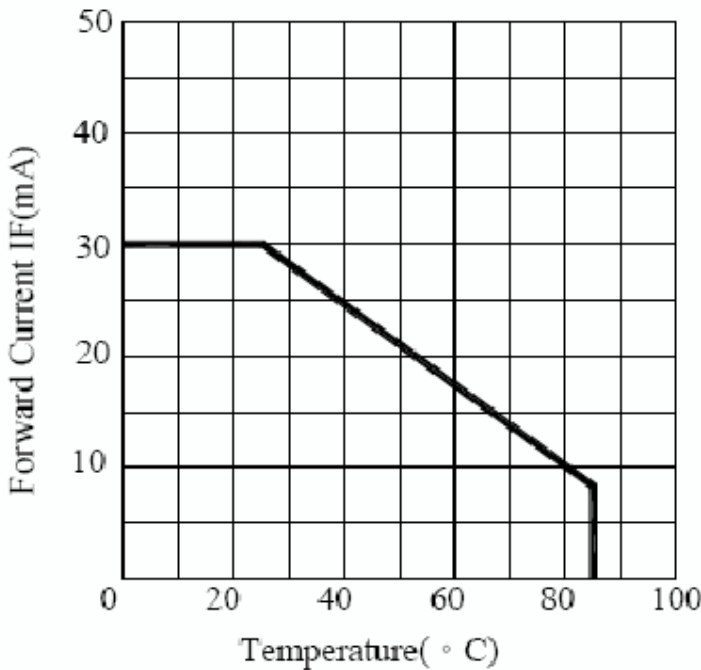
1. All Dimensions Are In Millimeters (inches).
2. Tolerance Is +0.25(0.01") Unless Otherwise Noted.
3. Specifications Are Subject To Change Without Notice.



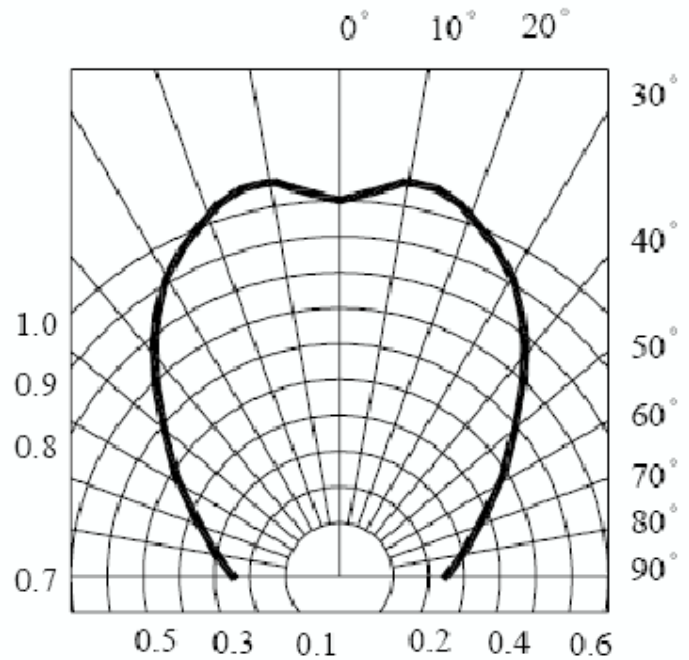
**FORWARD CURRENT VS. APPLIED VOLTAGE**



**FORWARD CURRENT VS. LUMINOUS INTENSITY**



**FORWARD CURRENT VS. AMBIENT TEMPERATURE**



**RADIATION DIAGRAM**

