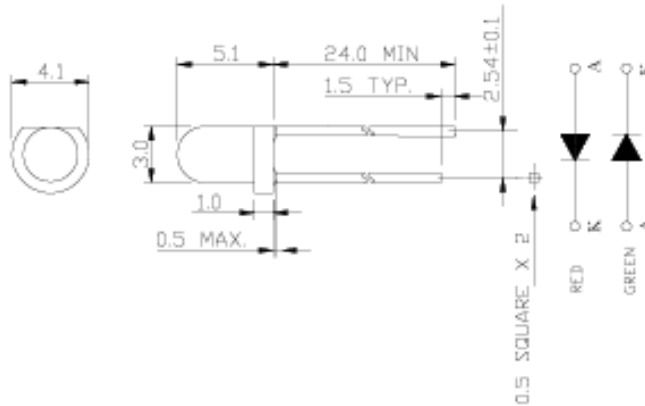




This red & green Bi-color LED is made with a Gallium Phosphide red chip and a Gallium Phosphide green chip with a white diffused epoxy resin.



**SELECTOR GUIDE**

Part Number	Dice	Lens Color / Type	Pack Size	View Angle 2θ 1/2
MT2030-RG-A	Red Green	White Diffused	3mm Round Bicolor	118 °

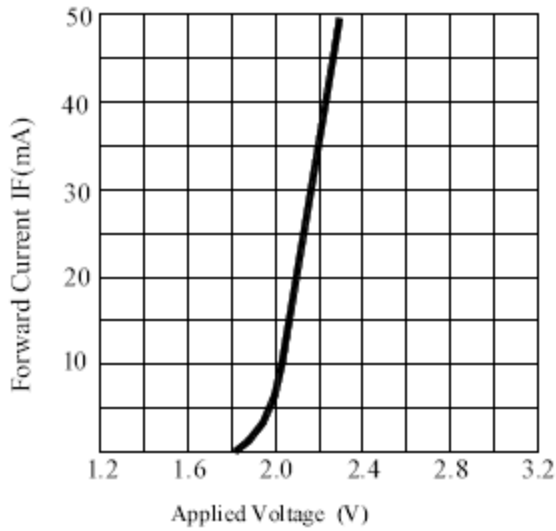
**ELECTRICAL / OPTICAL CHARACTERISTICS AT T<sub>A</sub>=25°C**

Parameter	Symbol	Device	Min.	Typ.	Max.	Units	Test Conditions
Forward Voltage	V <sub>F</sub>	Red Green	-	2.1 2.1	3.0 2.6	V	20mA
Reverse Current	I <sub>R</sub>	Red Green	-	-	50 50	μA	5V
Luminous Intensity	I <sub>V</sub>	Red Green	.622 6.22	1.2 12.0	-	mcd	20mA
Peak Wavelength	λ <sub>peak</sub>	Red Green	-	700 567	-	nm	20mA
Dominant Wavelength	λ <sub>D</sub>	Red Green	-	650 573	-	nm	20mA
Spectral Line Half-Width	Δλ <sub>1/2</sub>	Red Green	-	100 30	-	nm	20mA

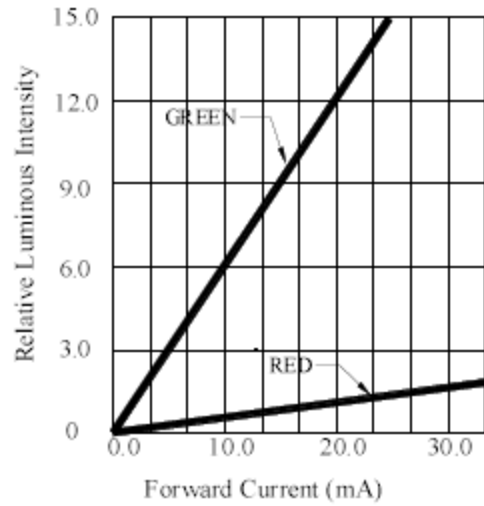
**ABSOLUTE MAXIMUM RATINGS AT T<sub>A</sub>=25°C**

Parameter	Rating	Units
Forward Current ( I <sub>F</sub> )	30	mA
Power Dissipation ( P <sub>D</sub> )	90 78	mW
Reverse Voltage ( V <sub>R</sub> )	5 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	

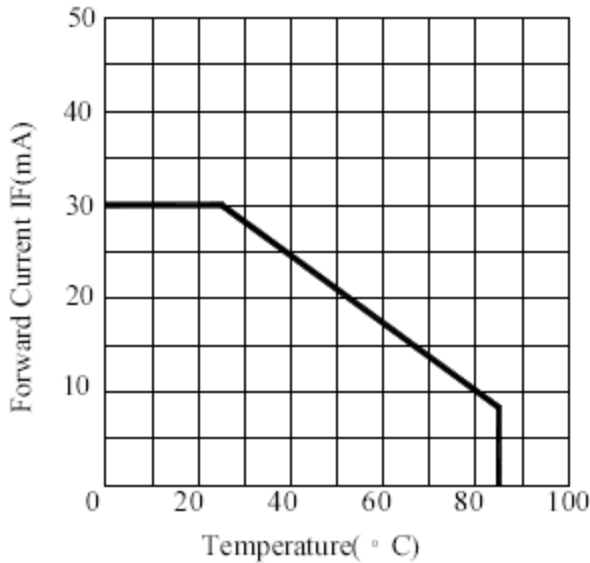
- All Dimensions Are In Millimeters (inches).
- Tolerance Is +0.25(0.01") Unless Otherwise Noted.
- Specifications Are Subject To Change Without Notice.



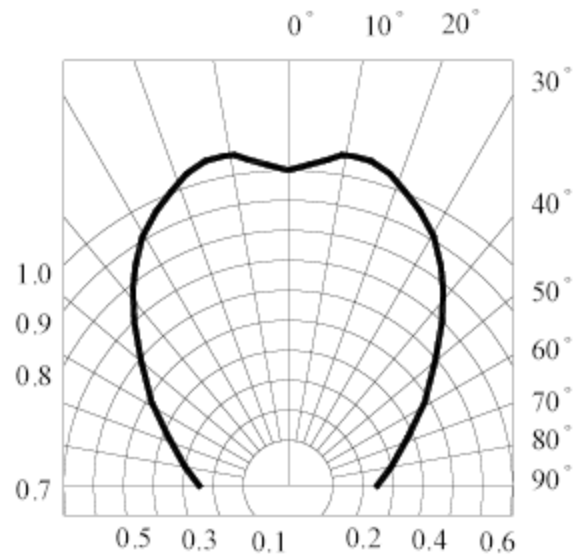
**FORWARD CURRENT VS. APPLIED VOLTAGE**



**FORWARD CURRENT VS. LUMINOUS INTENSITY**



**FORWARD CURRENT VS. AMBIENT TEMPERATURE**



**RADIATION DIAGRAM**

