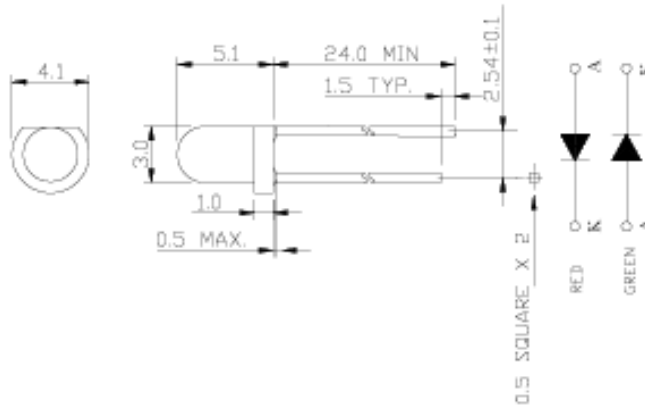




This red & green Bi-color LED is made with a Gallium Phosphide red chip and a Gallium Phosphide green chip with a white diffused epoxy resin.



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 °

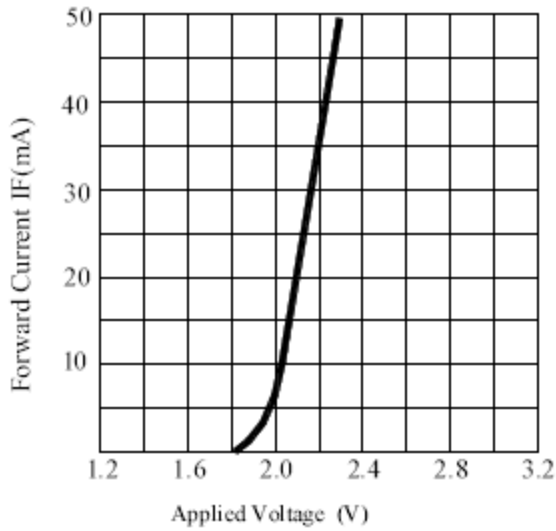
ELECTRICAL / OPTICAL CHARACTERISTICS AT T_A=25°C

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

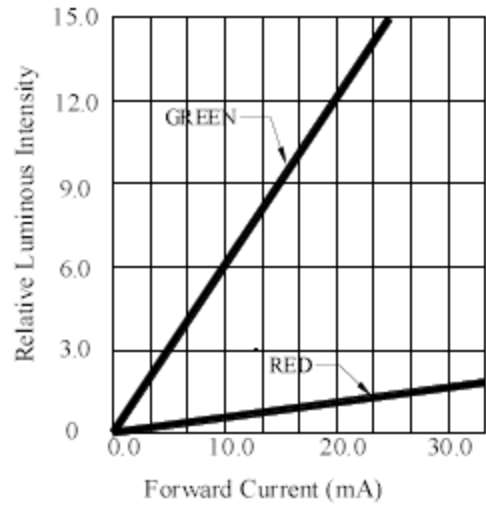
ABSOLUTE MAXIMUM RATINGS AT T_A=25°C

Parameter	Rating	Units
Forward Current (I _F)	30	mA
Power Dissipation (P _D)	90 78	mW
Reverse Voltage (V _R)	5 5	V
Operating Temperature (T _{OPR})	-20 ~ +85	°C
Storage Temperature (T _{STG})	-40 ~ +100	°C
Lead Solder Temperature (T _{SOL})	260 @ for 5 sec. max	

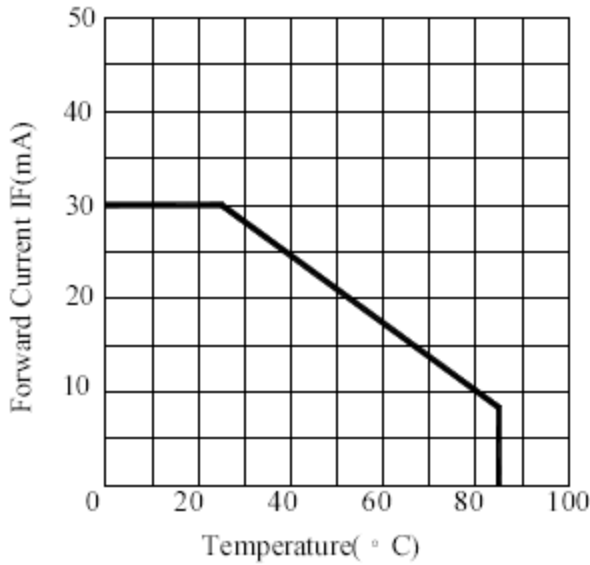
- All Dimensions Are In Millimeters (inches).
- Tolerance Is +0.25(0.01") Unless Otherwise Noted.
- Specifications Are Subject To Change Without Notice.



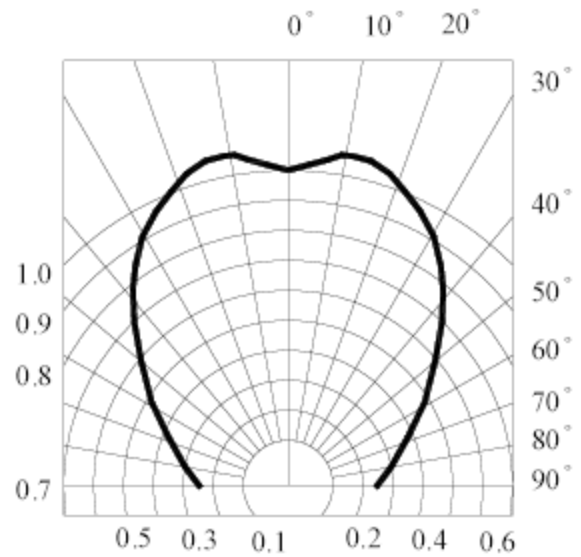
FORWARD CURRENT VS. APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM

