

Round LED

Bright Red, 5mm

multicomp^{PRO}

RoHS
Compliant



Specifications:

Dice Material	: GaP
Emitted Colour	: Red
Lens Colour	: Red Diffused
Peak Wavelength	: 697nm
Viewing Angle	: 45°
Luminous Intensity (IV)	: 2.8mcd

Absolute Maximum Ratings (T_a = 25°C)

Reverse Voltage	5V
Reverse Current	10µA (V _R = 5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

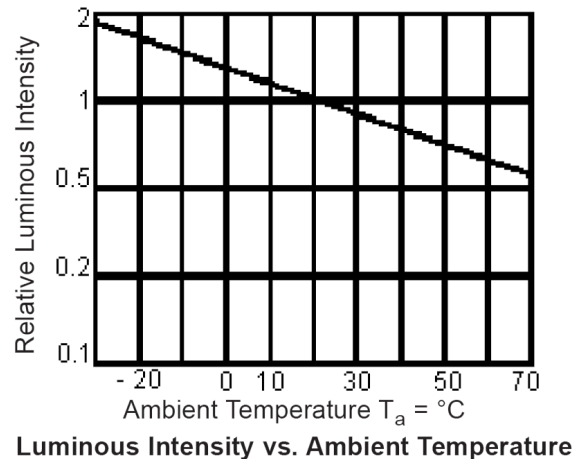
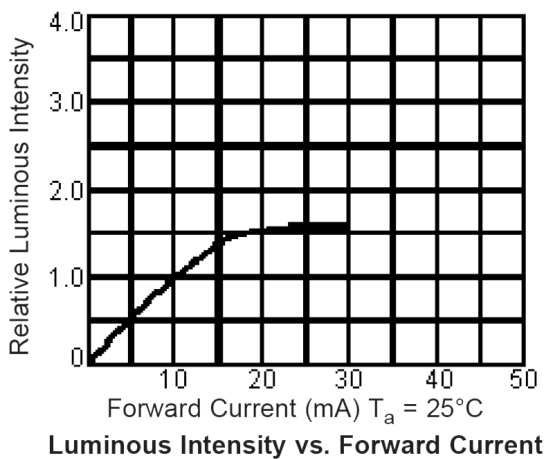
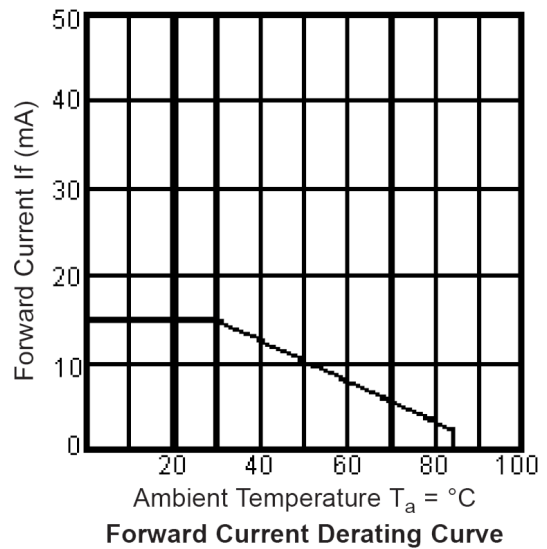
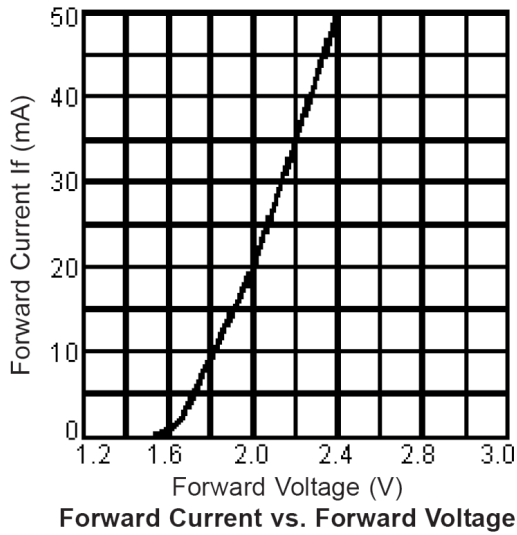
Electrical/Optical Characteristics at T_a = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	1.3	2.8	4.2	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	45	-	degrees	
Peak Emission Wavelength	λP	-	697	-	nm	-
Dominant Wavelength	λD	-	650	-		-
Spectral Line Half-Width	Δλ	-	90	-		-
Forward Voltage	VF	1.7	2.1	2.6	V	IF = 20mA
Power Dissipation	Pd	-	-	45	-	-
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)	-	-	50	-	-
Recommended Operating Current	IF (Rec)	-	10	-	mA	-

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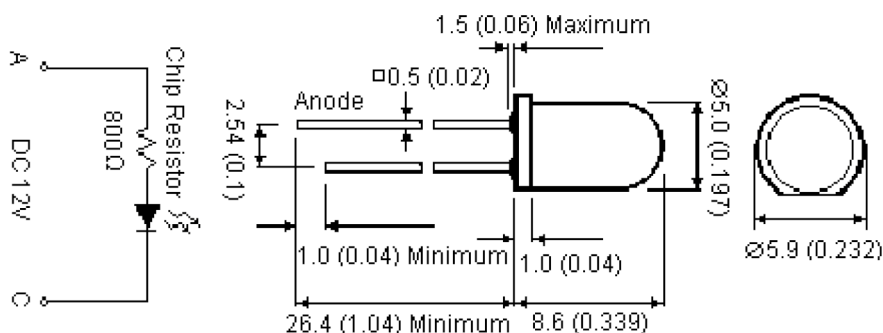
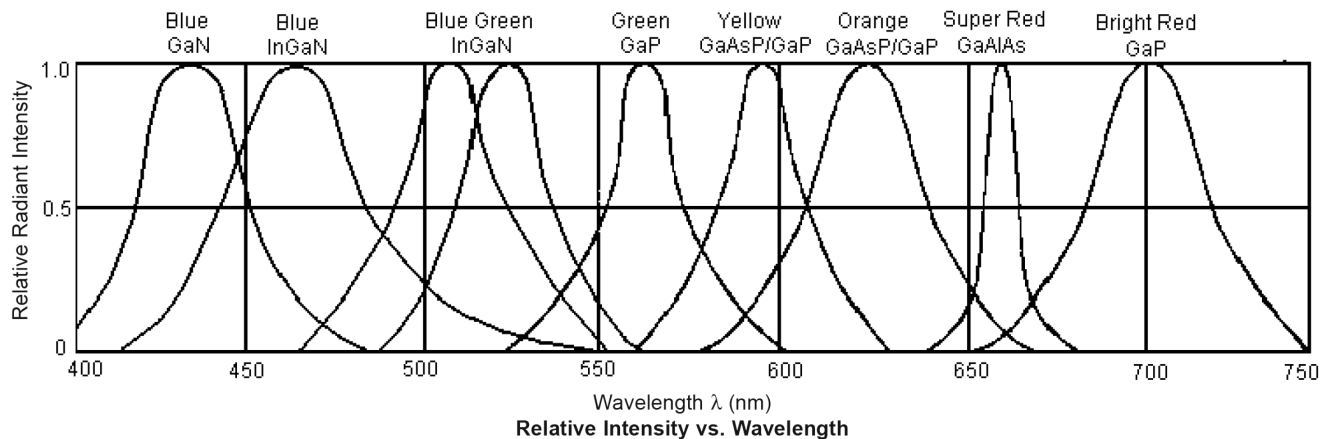
Bright Red(GaP $\lambda_P = 697\text{nm}$)



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Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
Round With Chip Resistor Built in LED, 5mm, 12V, 36°, BT-Red	MCL053HPD/12

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