Round LED Bright Red, 5mm



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	perature 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			

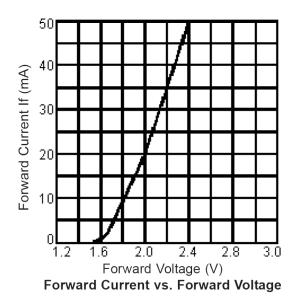
Electrical/Optical Characteristics at T_a = 25°C

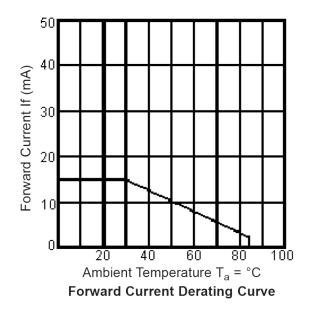
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	1.3	2.8	4.2	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	45	-	degrees	
Peak Emission Wavelength	λP	-	697	-		-
Dominant Wavelength	λD	-	650	-	nm	-
Spectral Line Half-Width	Δλ	-	90	-		-
Forward Voltage	VF	1.7	2.1	2.6	V	IF = 20mA
Power Dissipation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

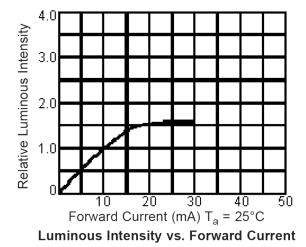
Round LED Bright Red, 5mm

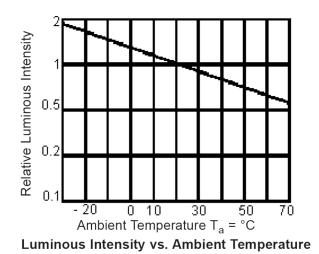


Bright Red(GaP λ P = 697nm)







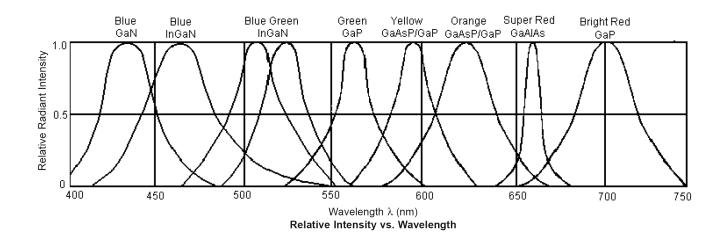


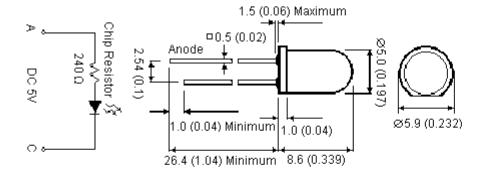
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Round LED Bright Red, 5mm







Dimensions: Millimetres (Inches)

Part Number Table

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

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