Round LED Bright Red, 5mm







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

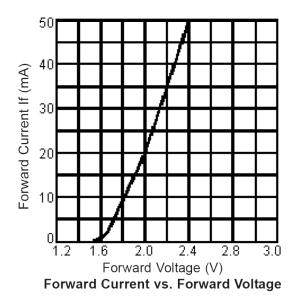
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	1.3	2.8	4.2	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	45	-	degrees	IF - 20IIIA
Peak Emission Wavelength	λP	-	697	-		-
Dominant Wavelength	λD	-	650	-	nm	-
Spectral Line Half-Width	Δλ	-	90	-		-
Forward Voltage	VF	1.7	2.1	2.6	V	IF = 20mA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

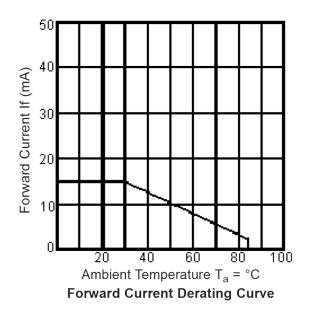


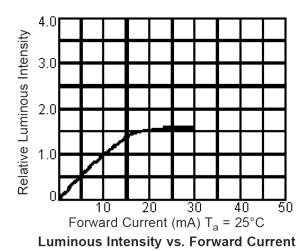
Round LED Bright Red, 5mm

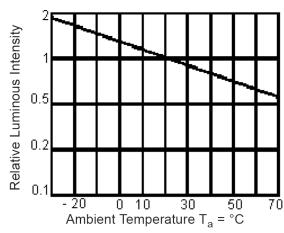


Bright Red(GaP λ P = 697nm)





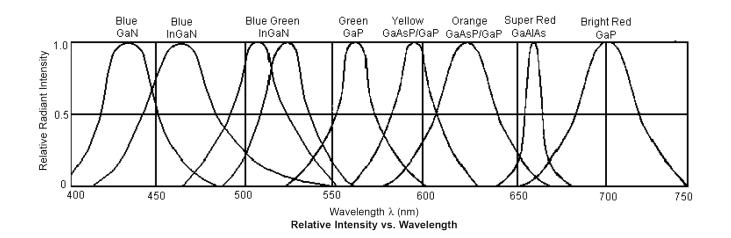


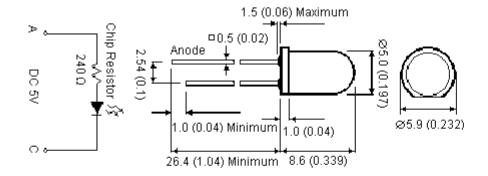


Luminous Intensity vs. Ambient Temperature

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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