

Round LED

Hi-Eff Red, 5mm

multicomp^{PRO}

RoHS
Compliant



Specifications

Dice Material	: GaAsP on GaP
Emitted Colour	: Hi-Eff Red
Lens Colour	: Red Diffused
Peak Wavelength	: 635nm
Viewing Angle	: 45°
Luminous Intensity (IV)	: 70mcd

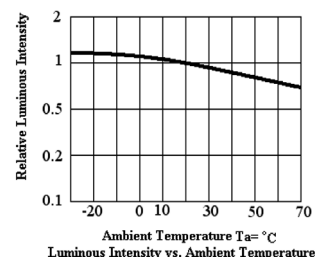
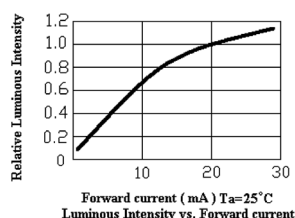
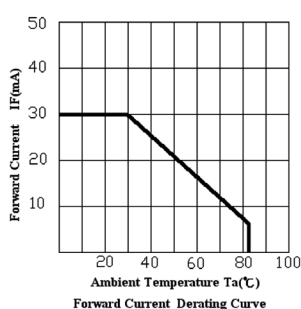
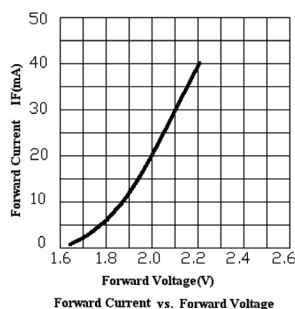
Absolute Maximum Ratings (T_a = 25°C)

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	45	70	100	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	45	-	degrees	
Peak Emission Wavelength	λP	-	635	-	nm	
Dominant Wavelength	λD	620	625	630		
Spectral Line Half-Width	Δλ	-	45	-		
Forward Voltage	VF	1.8	2	2.6	V	-
Power Dissipation	Pd	-	-	85	mW	
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)	-	-	100	mA	
Recommended Operating Current	IF (Rec)	-	20	30	mA	

Orange (GaAsP/GaP) λ_P = 635nm



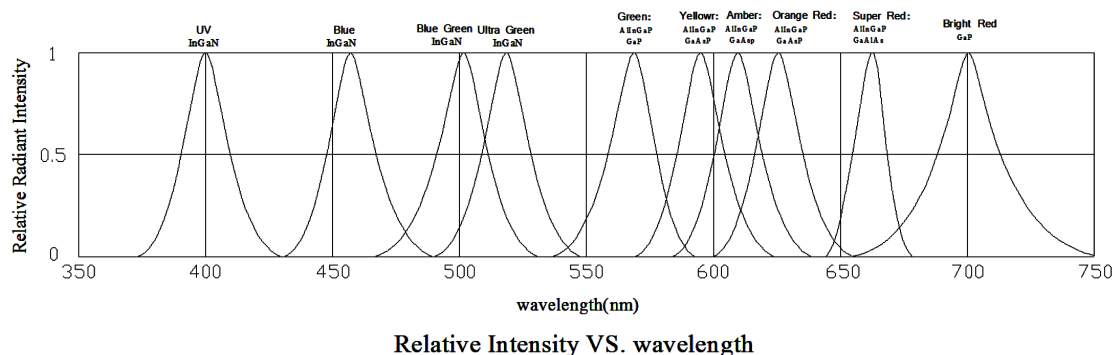
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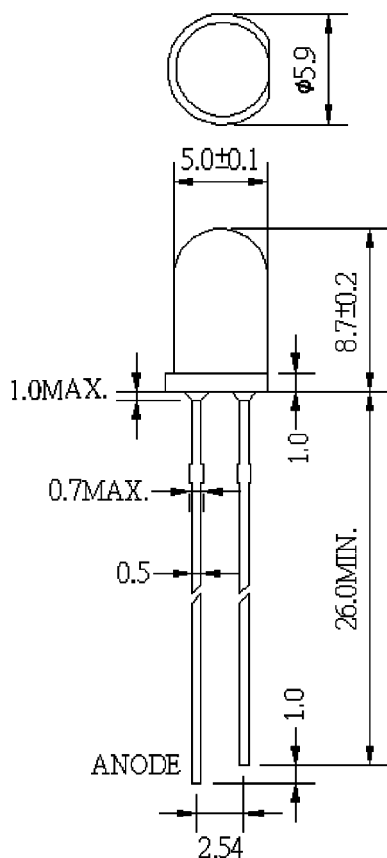
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Diagram



Dimensions : Millimetres

Part Number Table

Description	Part Number
Round LED Lamp, 5mm, 45°, Hi-Eff Red	MCL053MD

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