

LED

Super Amber, 5mm



Specifications:

Dice material	: AllnGaP
Emitted colour	: Super Amber
Lens colour	: Water Clear
Peak wavelength	: 610nm
Viewing angle	: 16°
Luminous intensity (IV)	: 2,000mcd

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

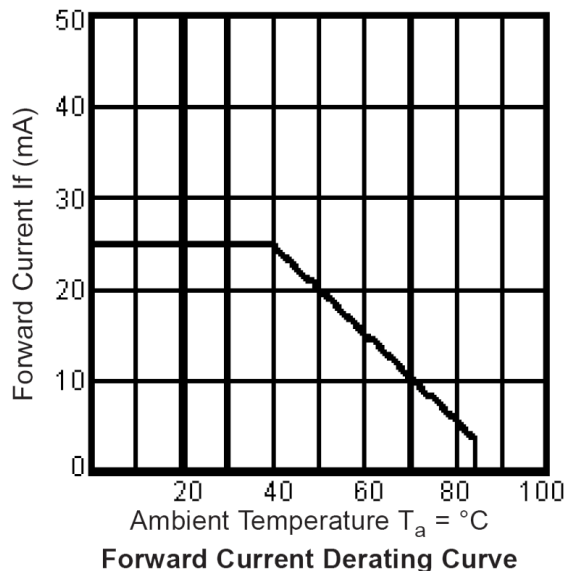
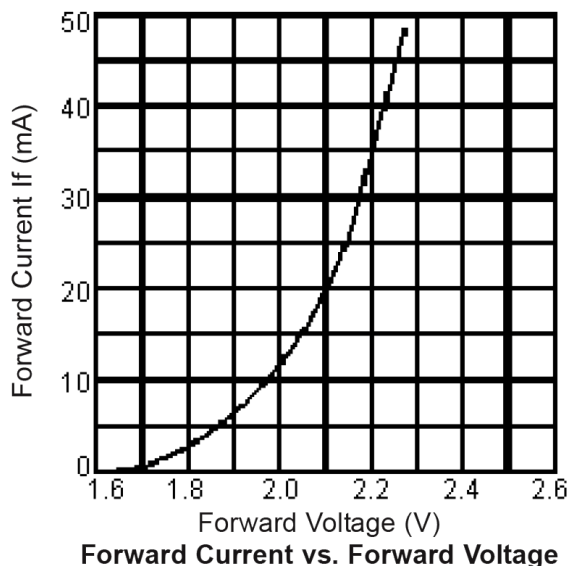
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	1,200	2,000	3,000	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	16	-	degrees	
Peak Emission Wavelength	λP	-	610	-	nm	-
Dominant Wavelength	λD	-	605	-		-
Spectral Line Half-Width	Δλ	-	15	-		-
Forward Voltage	VF	1.7	2.1	2.6	V	IF = 20mA
Power Dissipation	Pd	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

LED

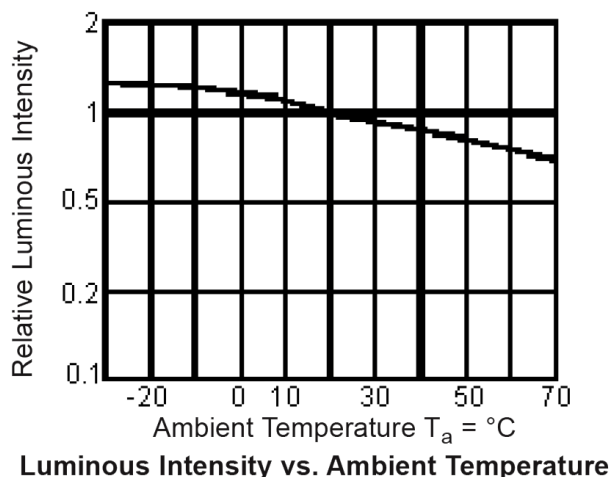
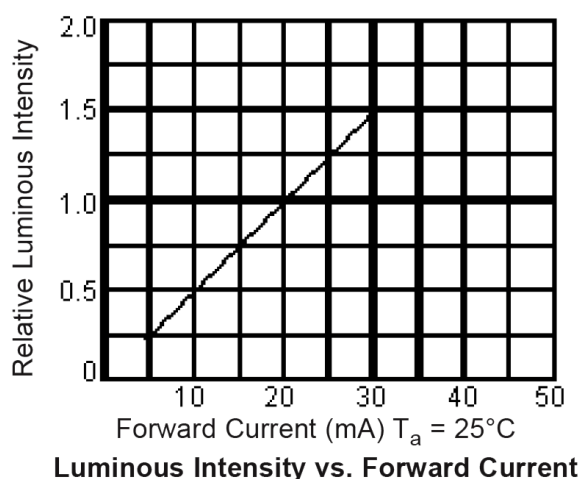
Super Amber, 5mm



Super Amber (AlInGaP $\lambda_P = 610\text{nm}$)

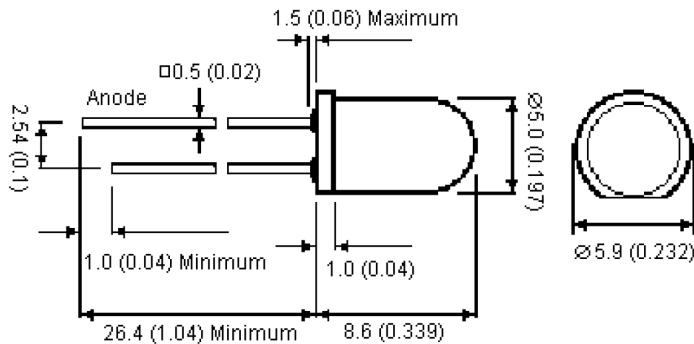
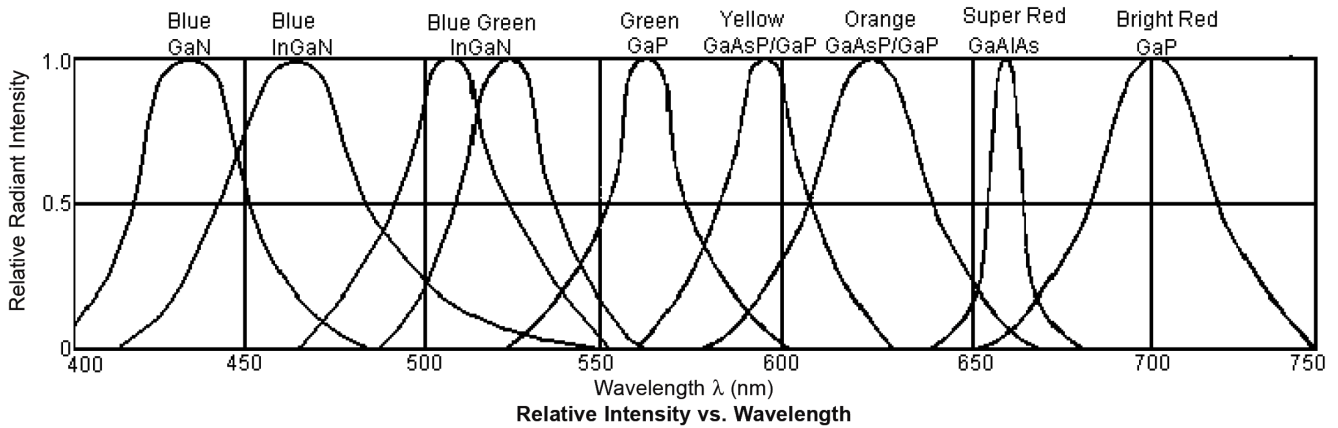


Super Amber (AlInGaP $\lambda_P = 610\text{nm}$)



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Super Amber, 5mm



Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
LED, 5mm, 16°, Super-Amber	MCL053SBC

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