

# LED

## Super Amber, 3mm



### Specifications:

Dice material	: AlInGaP
Emitted colour	: Super Amber
Lens colour	: Water Clear
Peak wavelength	: 610nm
Viewing angle	: 36°
Luminous intensity (IV)	: 1,600mcd

### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Reverse Voltage	5V
Reverse Current	10 $\mu$ A ( $V_R = 5V$ )
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 $T_a = 25^\circ\text{C}$

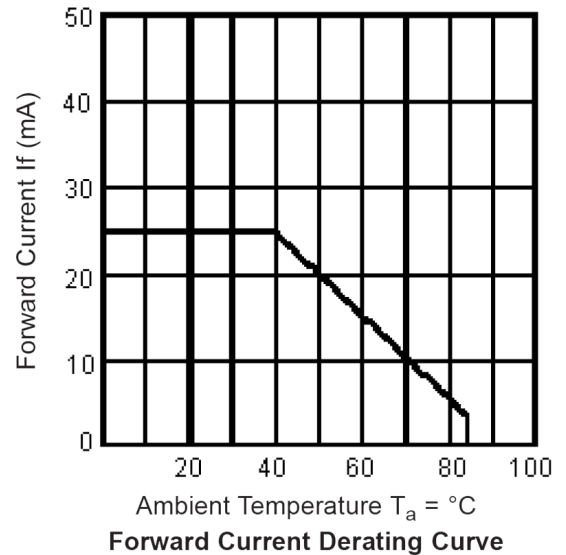
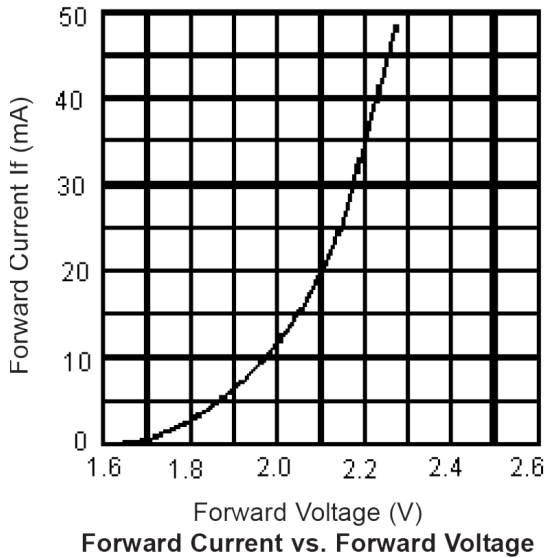
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	900	1,600	2,300	mcd	IF = 20mA
Viewing Angle	2 $\theta$ 1/2	-	36	-	degrees	
Peak Emission Wavelength	$\lambda_P$	-	610	-	nm	-
Dominant Wavelength	$\lambda_D$	-	606	-		-
Spectral Line Half-Width	$\Delta\lambda$	-	18	-		-
Forward Voltage	V <sub>F</sub>	1.7	2.1	2.6	V	IF = 20mA
Power Dissipation	P <sub>d</sub>	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

# LED

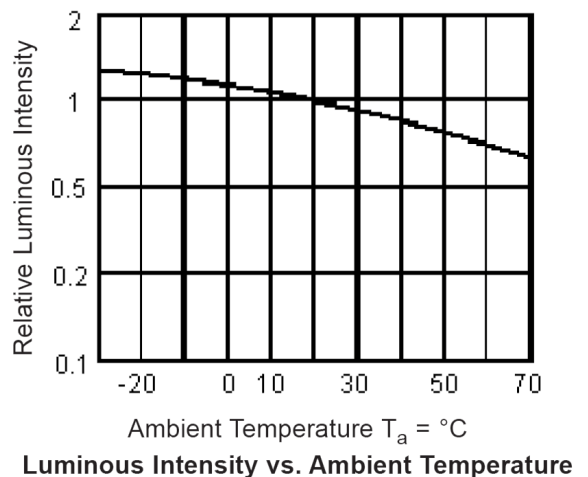
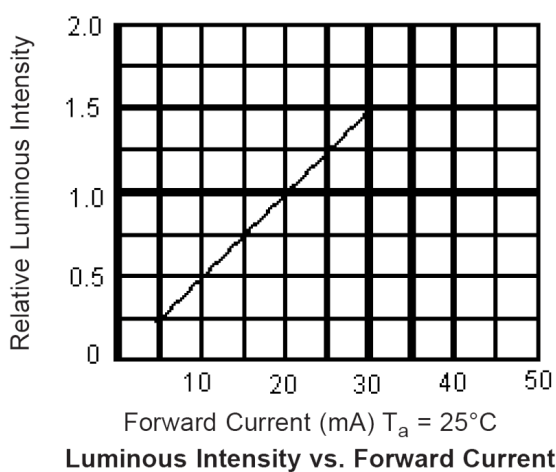
## Super Amber, 3mm



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

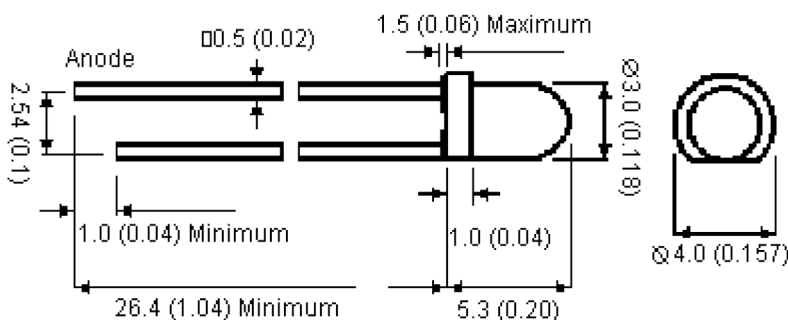
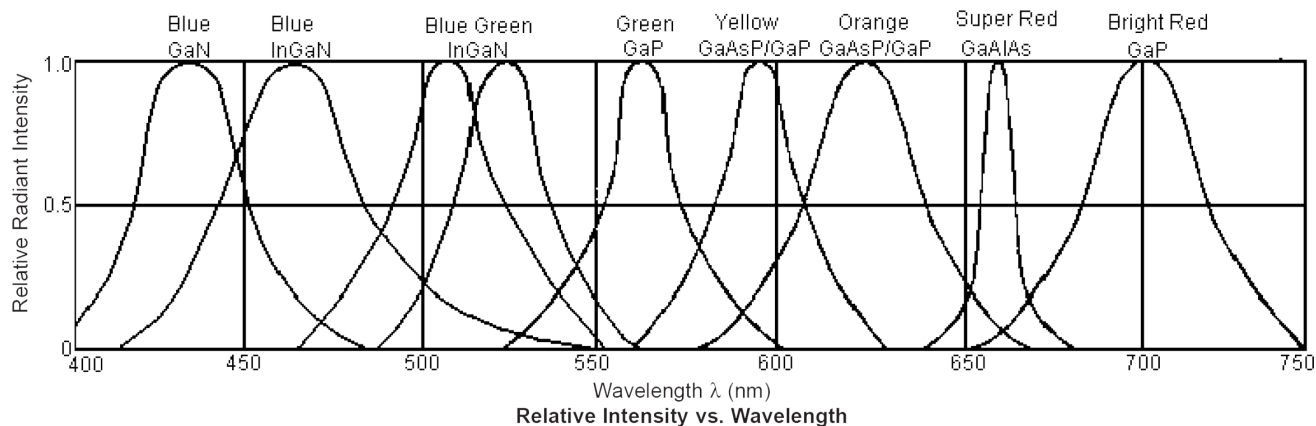


### Super Amber (AlInGaP $\lambda_P = 610\text{nm}$ )



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Dimensions : Millimetres (Inches)

### Part Number Table

Description	Part Number
LED, 3mm, 32°, Super-Amber	MCL034SBC

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