

# LED

## Super Orange, 5mm

multicomp **PRO**

RoHS  
Compliant



### Specifications:

Dice material	: AllnGaP
Emitted colour	: Super Orange
Lens colour	: Water Clear
Peak wavelength	: 635nm
Viewing angle	: 16°
Luminous intensity (IV)	: 2,750mcd

### 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

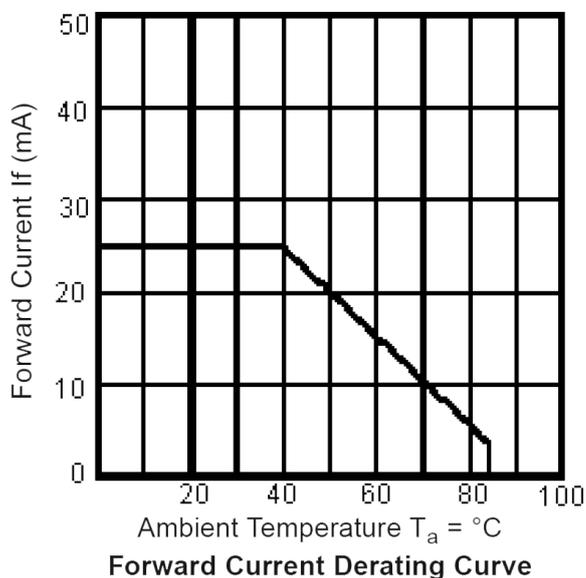
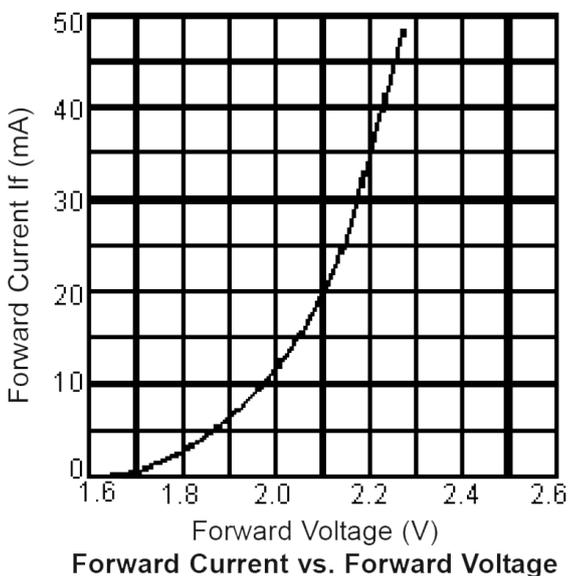
### Electrical/Optical Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	1,450	2,750	4,000	mcd	IF = 20mA
Viewing Angle	2 $\theta$ 1/2	-	16	-	degrees	
Peak Emission Wavelength	$\lambda_P$	-	635	-	nm	-
Dominant Wavelength	$\lambda_D$	-	625	-		-
Spectral Line Half-Width	$\Delta\lambda$	-	17	-		-
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	-

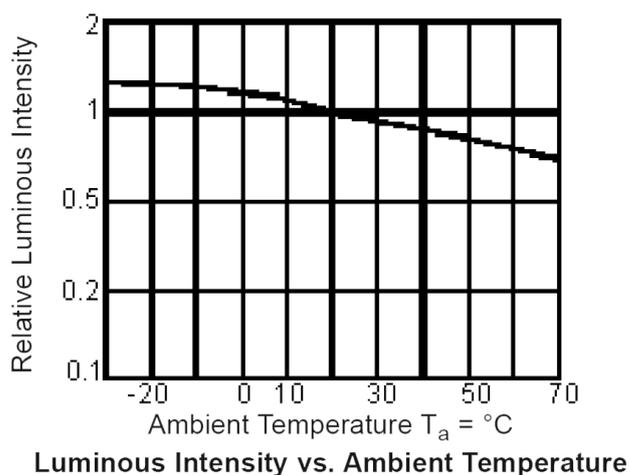
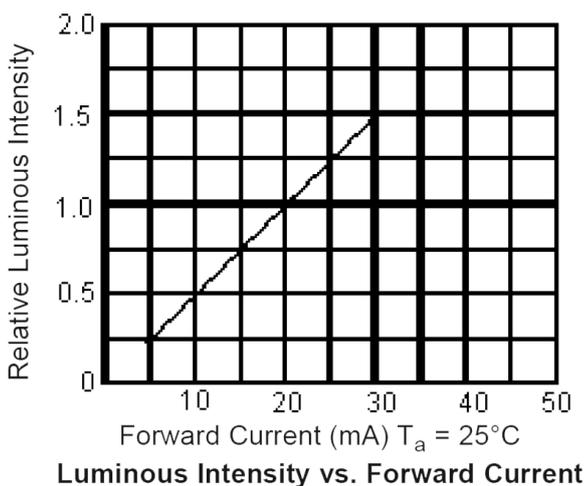
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### Super Orange (AlInGaP $\lambda_P = 635\text{nm}$ )



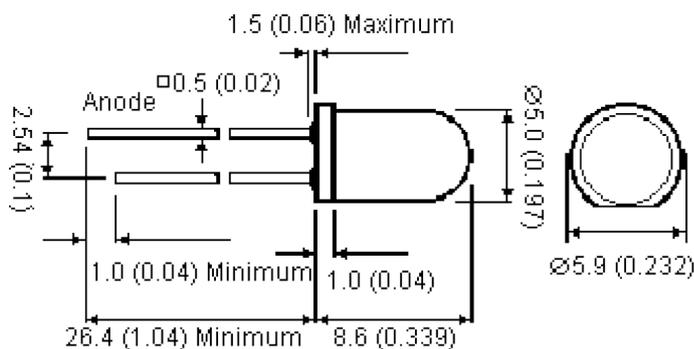
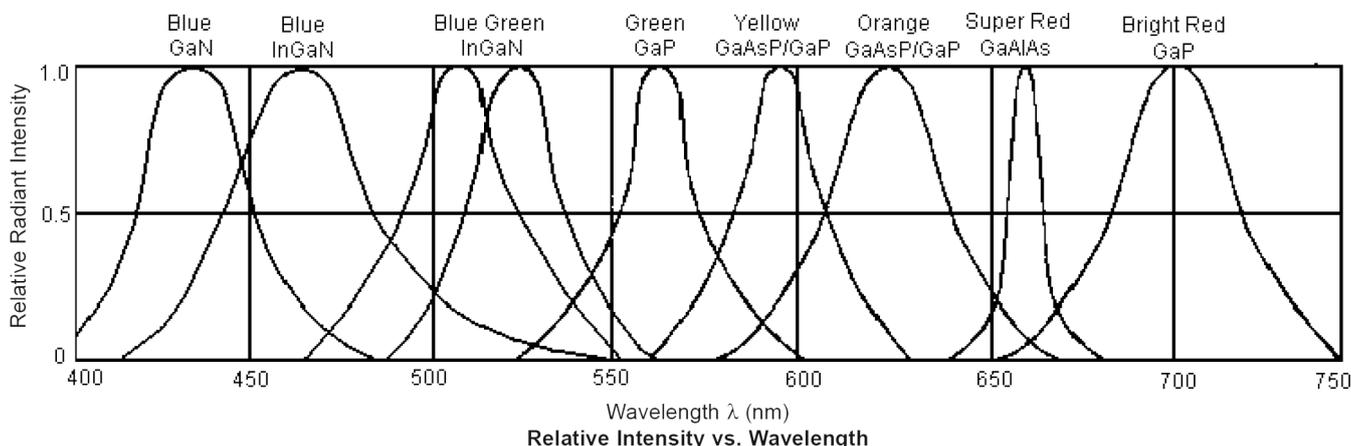
### Super Orange (AlInGaP $\lambda_P = 635\text{nm}$ )



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Dimensions : Millimetres (Inches)

### Part Number Table

Description	Part Number
LED, 5mm, 16°, Super-Orange	MCL053SAC

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