

SMD LED

1206, Super Red

multicomp^{PRO}

RoHS
Compliant



Specifications:

Dice Material	: GaAlAs
Emitted Colour	: Super Red
Epoxy Colour	: Water Clear
Peak Wavelength	: 660nm
Viewing Angle	: 140°
Luminous Intensity (IV)	: 17mcd

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

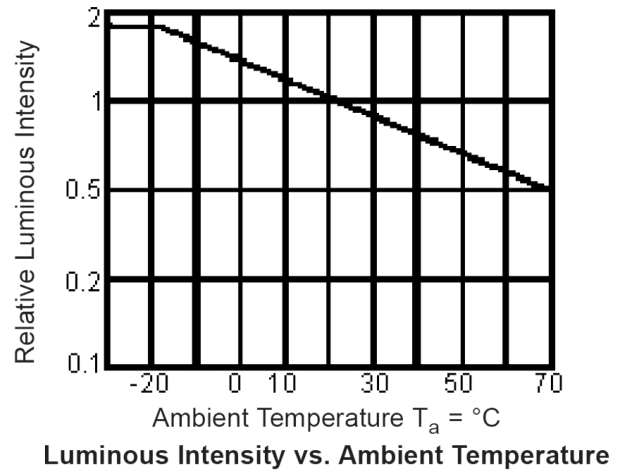
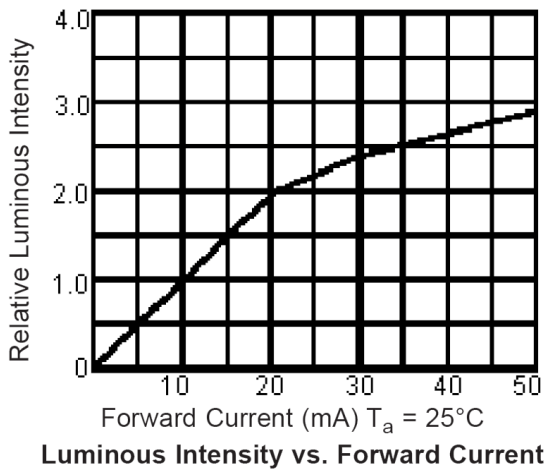
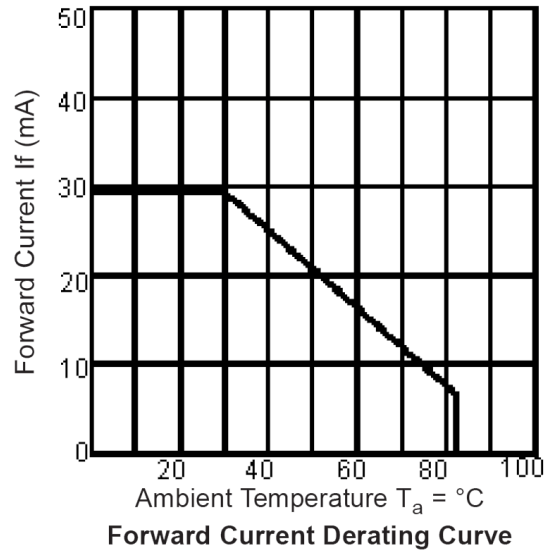
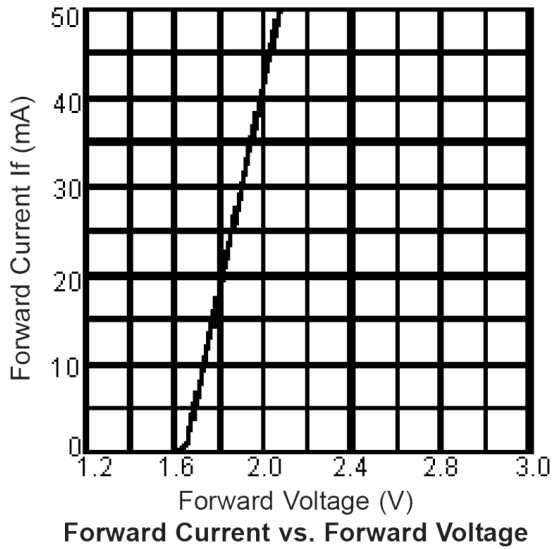
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	8	17	23	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	140	-	degrees	
Peak Emission Wavelength	λP	-	660	-	nm	-
Dominant Wavelength	λD	-	643	-		-
Spectral Line Half-Width	Δλ	-	20	-		-
Forward Voltage	VF	1.5	1.85	2.5	V	IF = 20mA
Power Dissipation	Pd	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

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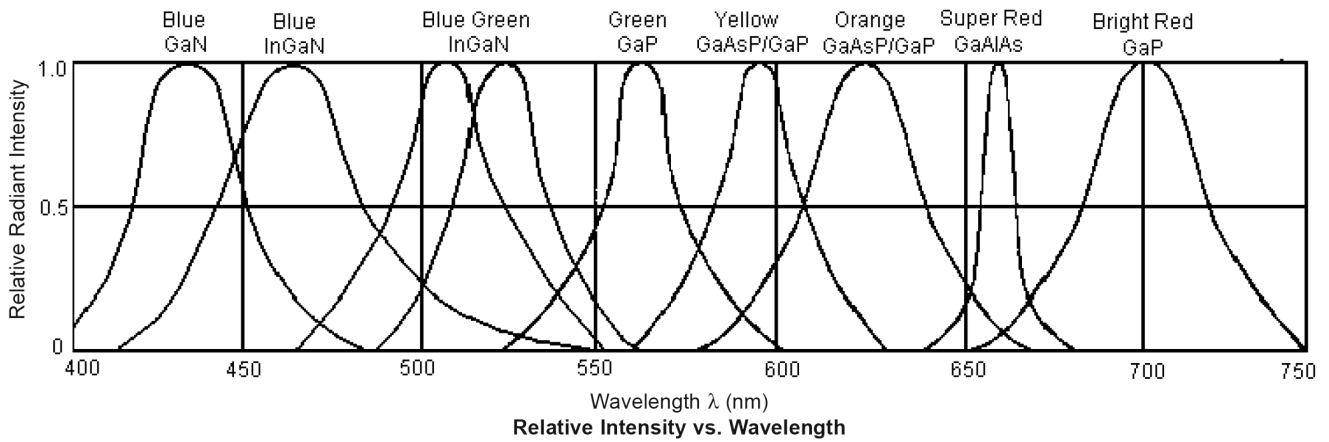
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Super Red (GaAlAs) $\lambda_P = 660\text{nm}$

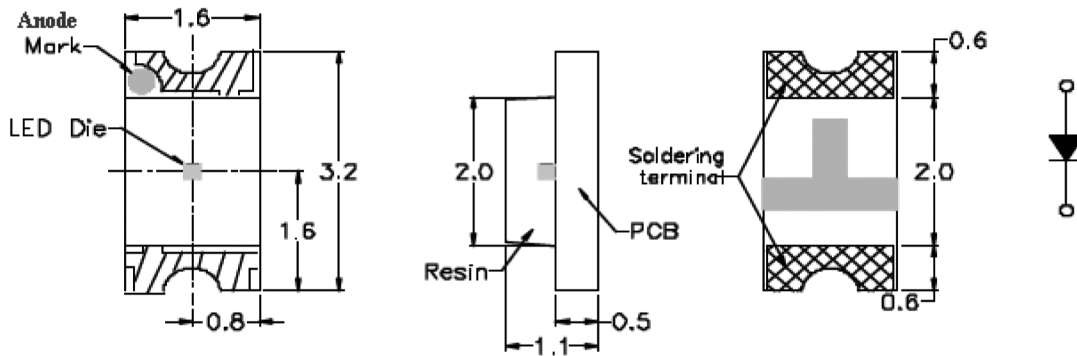


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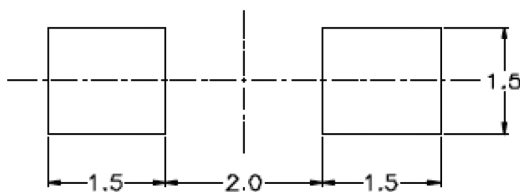


Diagram



Soldering Terminal may shift in x, y direction.

Recommended Soldering Pad Dimensions



Dimensions : Millimetres

Part Number Table

Description	Part Number
LED, SMD, 1206, Super-Red	MCL-S250SRC

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