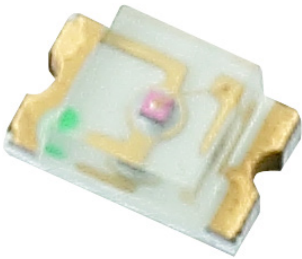


**RoHS
Compliant**



Specifications:

Dice Material	: AllnGaP
Emitted Colour	: Super Orange Red
Lens Colour	: Water Clear
Peak Wavelength	: 635nm
Viewing Angle	: 130 Deg.
Luminous Intensity (IV)	: 150mcd
Package Size	: 2mm × 1.25mm × 0.8mm, SMD LED - 0805

Absolute Maximum Ratings (T_a = 25°C)

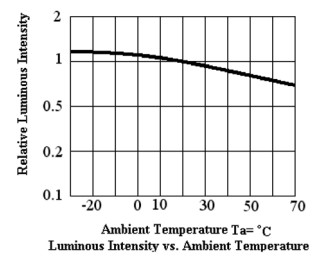
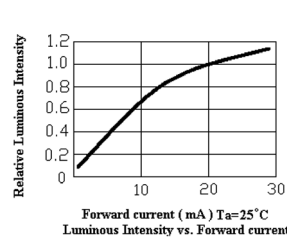
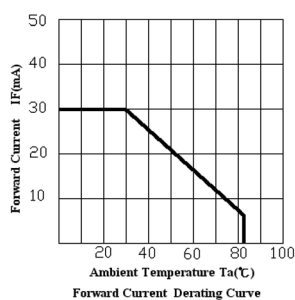
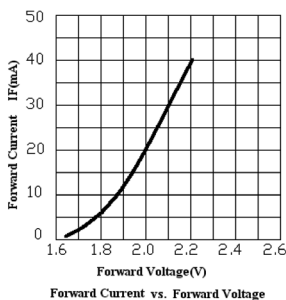
Reverse Voltage	5 Volt
Reverse Current	10µA (V _R = 5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Reflow Soldering Temperature	260°C for 5 Seconds

Electrical/Optical Characteristics at T_a = 25°C

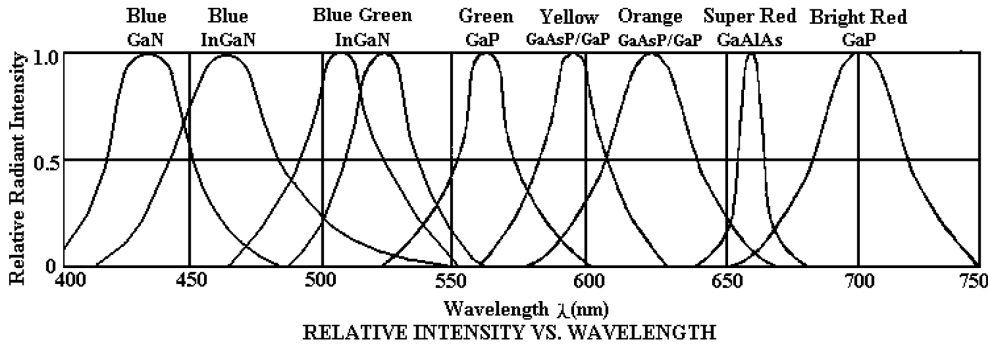
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	90	150	250	mcd	IF = 20mA
Viewing Angle	2θ 1/2		130		Degrees	
Peak Emission Wavelength	λP		635		nm	
Dominant Wavelength	λD	615	620	630		
Spectral Line Half-Width	Δλ		18			
Forward Voltage	V _F	1.8	2.1	2.3	V	IF = 20mA
Power Dissipation	P _d			80	mW	
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)			100	mA	
Recommended Operating Current	IF (Rec)		20		mA	

Typical Electro-Optical Characteristics Curves

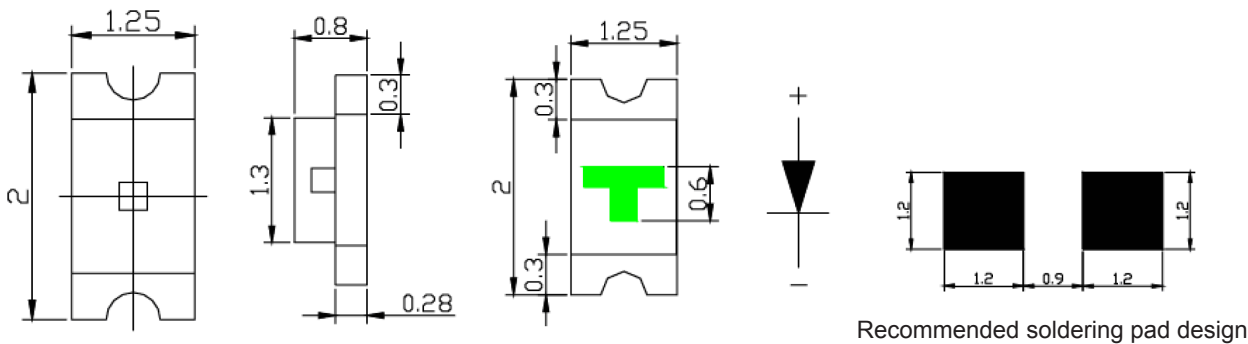
Super Orange (AllnGaP λP = 635nm)



Super Orange Red SMD LED - 0805



Diagram



Dimensions : Millimetres
Tolerance: $\pm 0.2\text{mm}$

Part Number Table

Description	Part Number
2mm × 1.25mm × 0.8mm, SMD LED - 0805, Super Orange Red, Water Clear, Cut Tape	MC011366
2mm × 1.25mm × 0.8mm, SMD LED - 0805, Super Orange Red, Water Clear, Tape and Reel	MC011368

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