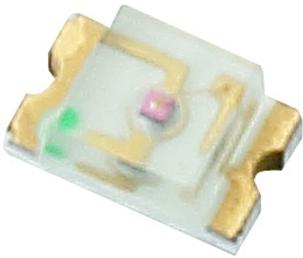


**RoHS
Compliant**



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)

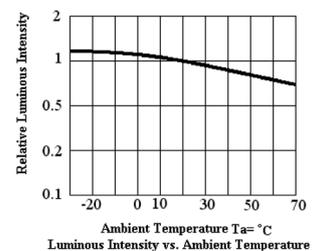
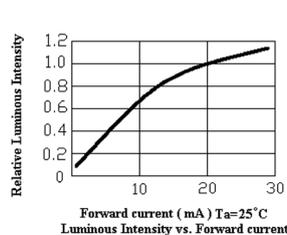
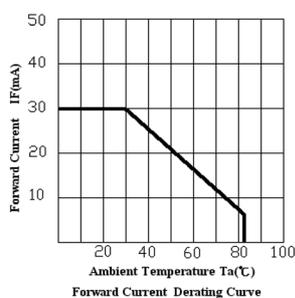
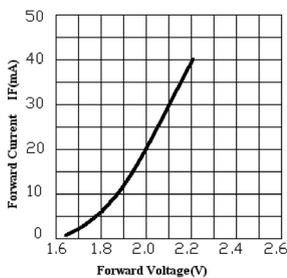
Reverse Voltage	5 Volt
Reverse Current	10µA (V _R = 5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Reflow Soldering Temperature	260°C for 5 Seconds

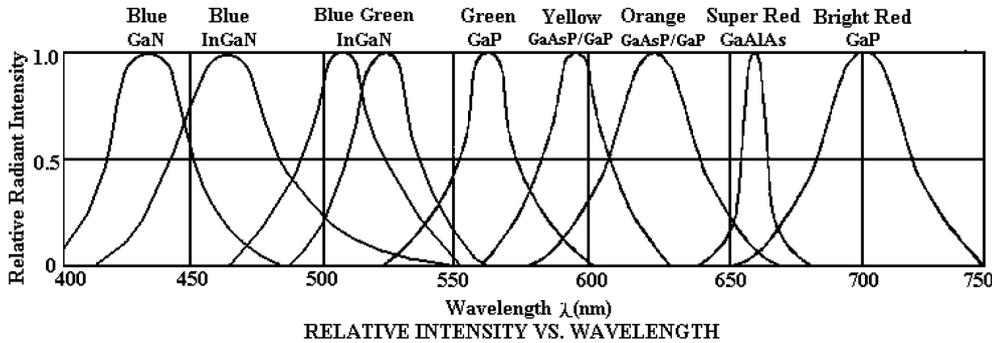
Electrical/Optical Characteristics at T_a = 25°C

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	

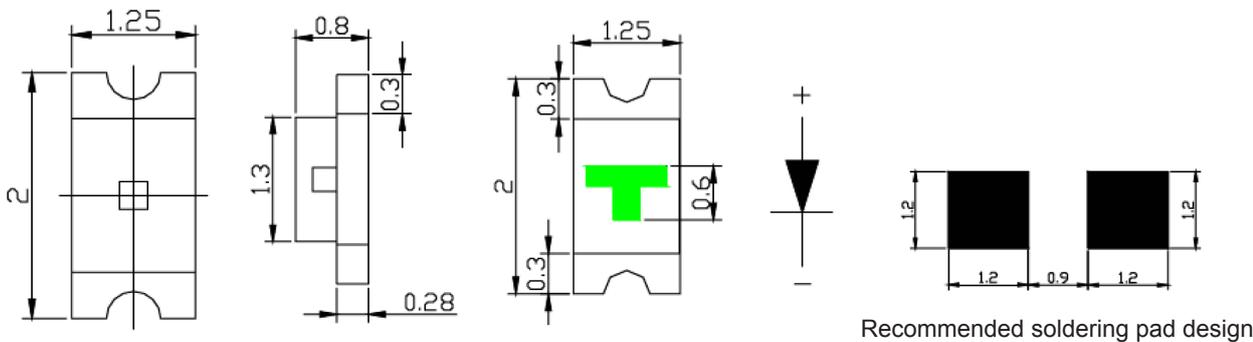
Typical Electro-Optical Characteristics Curves

Super Orange (AllnGaP λP = 635nm)





Diagram



Dimensions : Millimetres
Tolerance: ±0.2mm

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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.