

# LED Light Bar

Super Orange Red, 7mm x 10mm

**multicomp** PRO

RoHS  
Compliant

## Specifications

Dice Material : AlInGaP  
Emitted colour : Super Orange Red  
Epoxy colour : Red Diffused  
Surface Ink colour : No Ink  
Peak wavelength : 635nm  
Luminous intensity (IV) : 20mcd

Electrical / Optical Characteristics at Ta = 25°C						
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	15	20	35	mcd	IF = 20mA
Viewing Angle	2θ1/2				deg	
Peak Emission Wavelength	λp		635		nm	
Dominant Wavelength	λD		625		nm	
Spectral Line Half-Width	Δλ		45		nm	
Forward Voltage	VF	1.9	2	2.6	V	
Power Dissipation	Pd			60		
Peak Forward Current (Duty 1/10 @ 1KHz)	IF (Peak)			100		
Recommended Operating Current	IF (Rec)		20		uA	VR=5V

Absolute Maximum Ratings: (Ta = 25°C)	
Reverse Voltage	5 Volt
Reverse Current	10uA (VR=5V)
Operating Temperature Range	-40°C to 85°C
Storage Temperature Range	-40°C to 100°C
Lead Soldering Temperature Range (1.6 mm (1/16 inch) from body)	260°C for 5 Seconds

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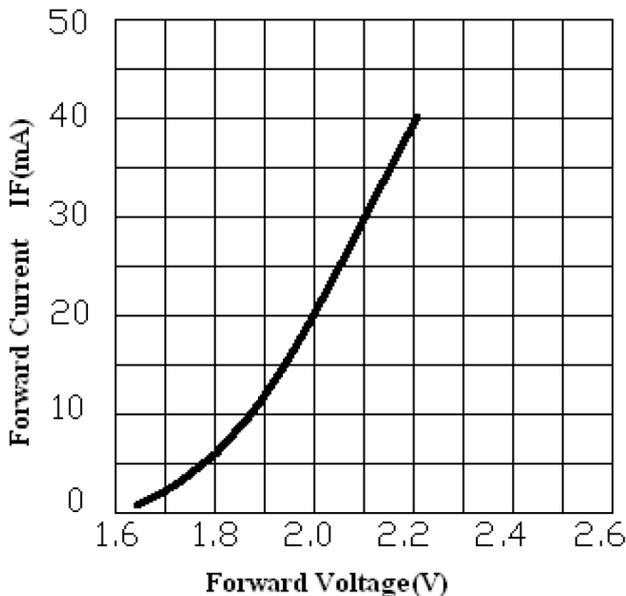
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Super Orange Red, 7mm x 10mm

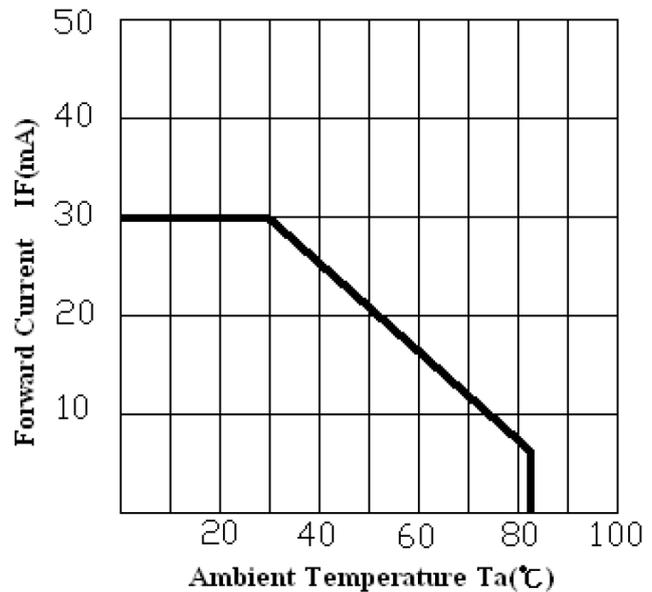
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## Typical Electro-Optical Characteristics Curves

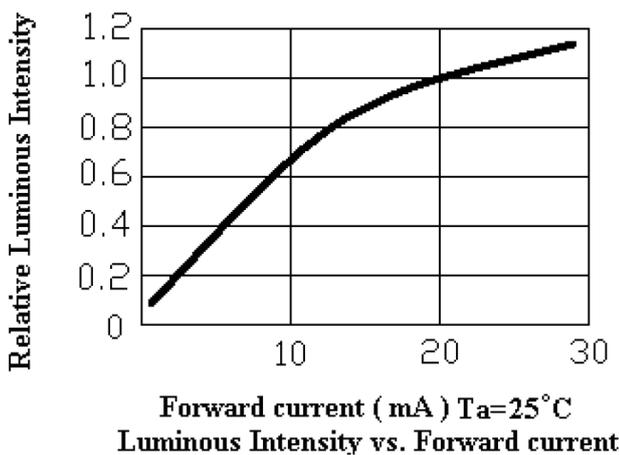
### Super Orange (AlInGaP $\lambda_P=635\text{nm}$ )



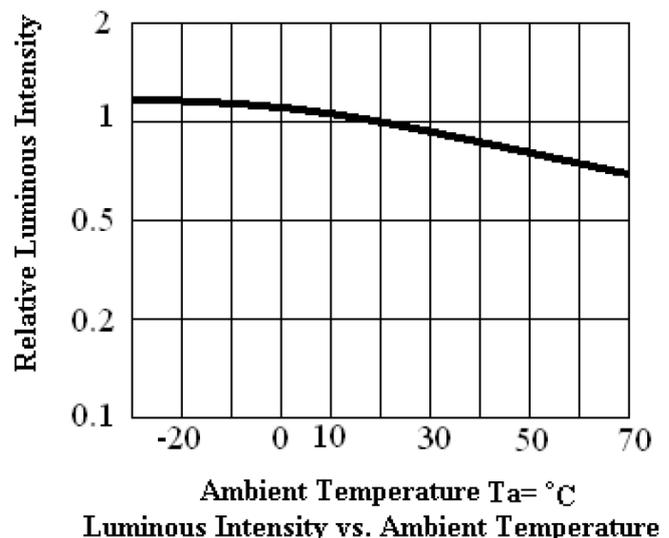
Forward Current vs. Forward Voltage



Forward Current Derating Curve



Luminous Intensity vs. Forward current

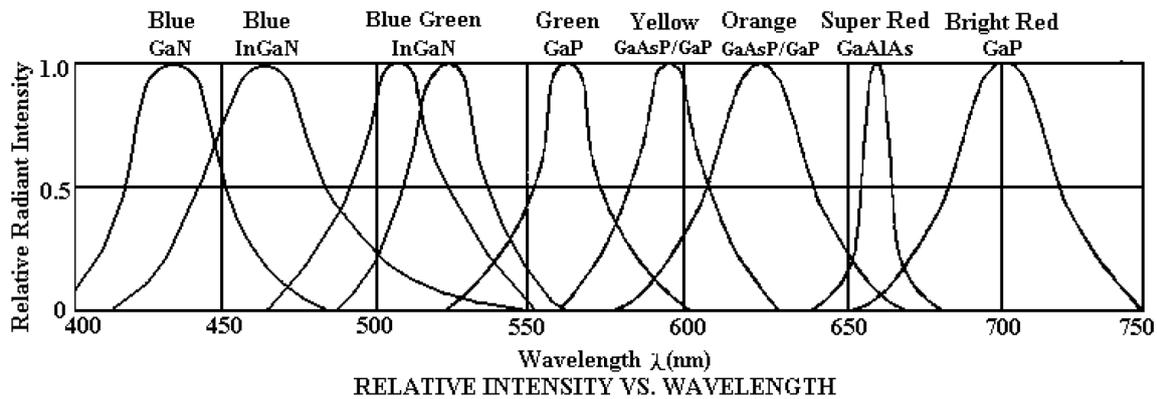


Luminous Intensity vs. Ambient Temperature

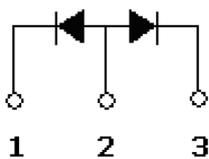
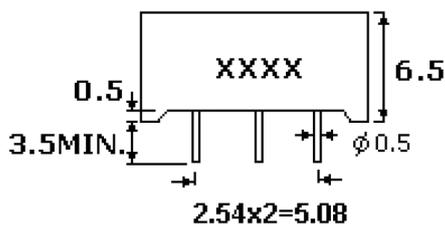
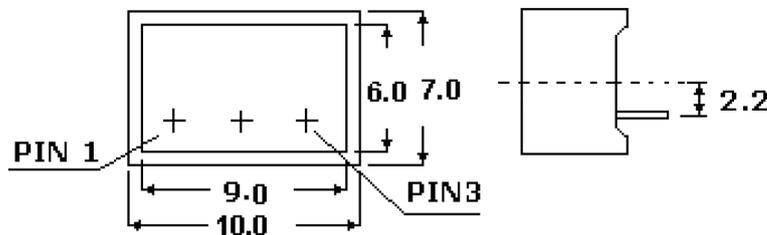
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## Dimensions



Dimensions : Millimetres

## Part Number Table

Description	Part Number
LED Light Bar, Super Orange Red, 635nm, 20mcd, 7mm x 10mm	MP007997

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