

LED Light Bar

Super Red, 6mm x 6mm

multicomp^{PRO}

RoHS
Compliant

Specifications

Dice Material : AlInGaP
Emitted colour : Super Red
Epoxy colour : Red Diffused
Surface Ink colour : No Ink
Peak wavelength : 650nm
Luminous intensity (IV) : 8mcd

Electrical / Optical Characteristics at Ta = 25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	8	10	14	mcd	IF = 20mA
Viewing Angle	2θ1/2				deg	
Peak Emission Wavelength	λp		650		nm	
Dominant Wavelength	λD		640		nm	
Spectral Line Half-Width	Δλ		20		nm	
Forward Voltage	VF	1.7	1.8	2.3	V	
Power Dissipation	Pd			85	mW	
Peak Forward Current (Duty 1/10 @ 1KHz)	IF (Peak)			100	mA	
Recommended Operating Current	IF (Rec)			25	mA	

Absolute Maximum Ratings: (Ta = 25°C)

Reverse Voltage	5 Volt
Reverse Current	10µA (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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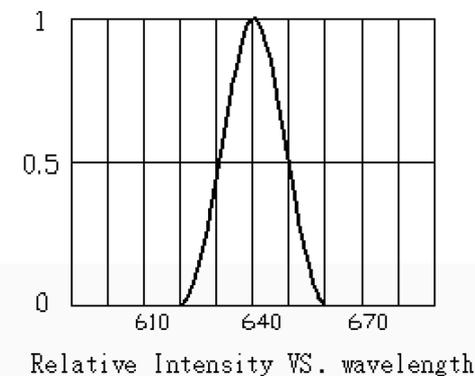
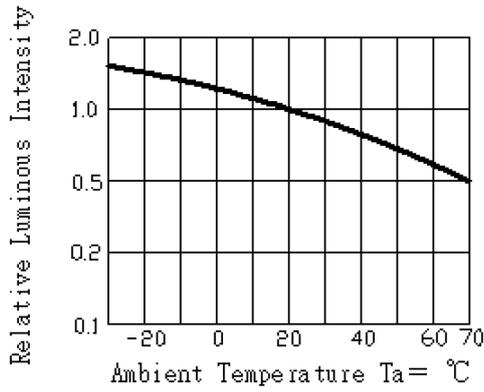
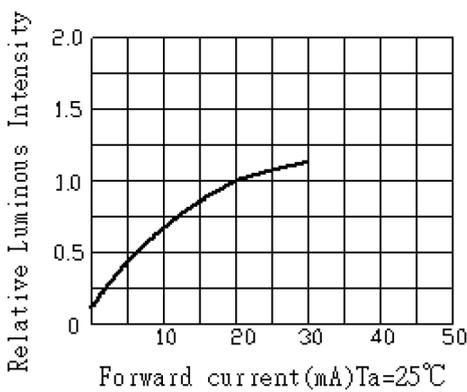
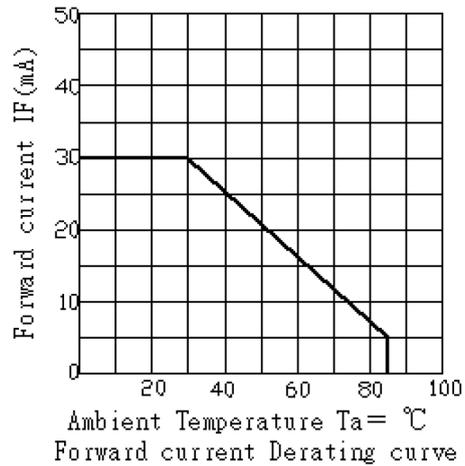
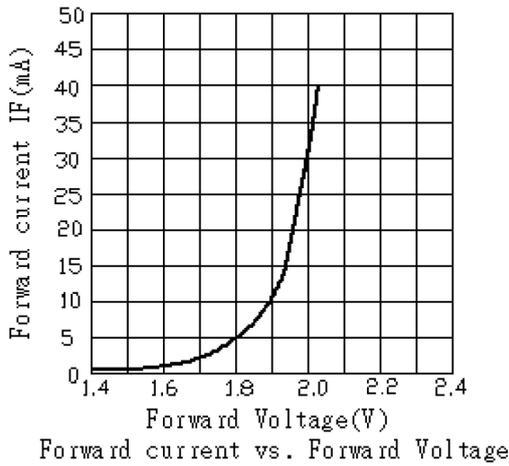
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Typical Electro-Optical Characteristics Curves

Super Red (AlInGaP $\lambda_d=640\text{nm}$)

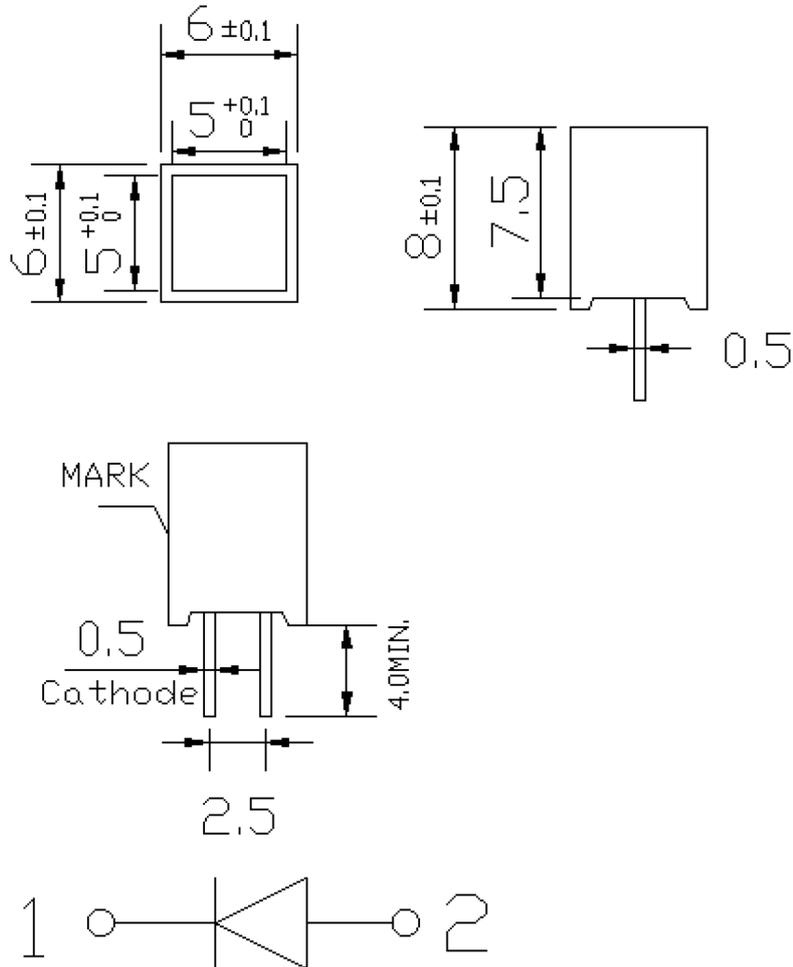


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Dimensions



Dimensions : Millimetres

Part Number Table

Description	Part Number
LED Light Bar, Super Red, 650nm, 8mcd, 6mm x 6mm	MP007992

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