

LED Light Bar

Super Green, 6mm x 6mm

multicomp PRO

**RoHS
Compliant**

Specifications

Dice Material : AlInGaP
Emitted colour : Super Green
Epoxy colour : Green Diffused
Surface Ink colour : No Ink
Peak wavelength : 570nm
Luminous intensity (IV) : 10mcd

Electrical / Optical Characteristics at Ta = 25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	8	10	16	mcd	IF = 20mA
Viewing Angle	2θ1/2				deg	
Peak Emission Wavelength	λp		570		nm	
Dominant Wavelength	λD	568	572	575	nm	
Spectral Line Half-Width	Δλ		30		nm	
Forward Voltage	VF	1.8	2	2.5	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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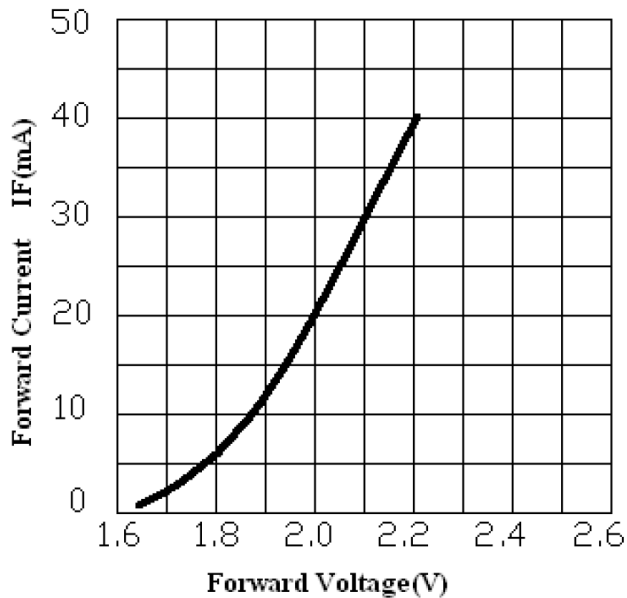
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LED Light Bar

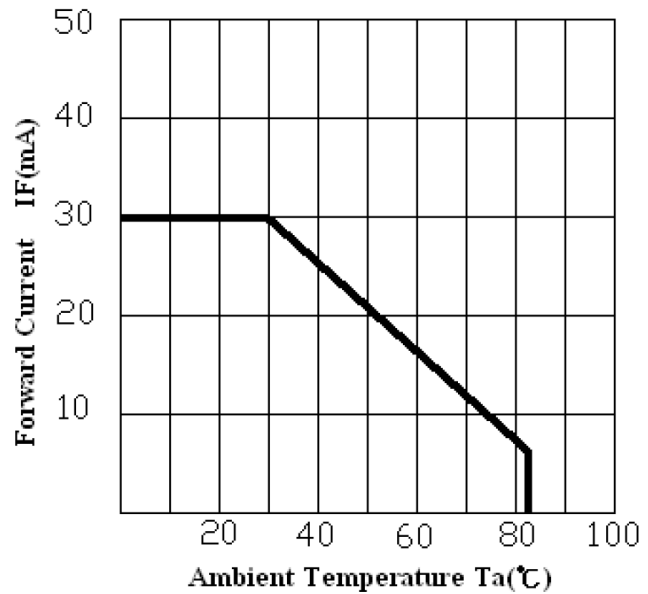
Super Green, 6mm x 6mm

Typical Electro-Optical Characteristics Curves

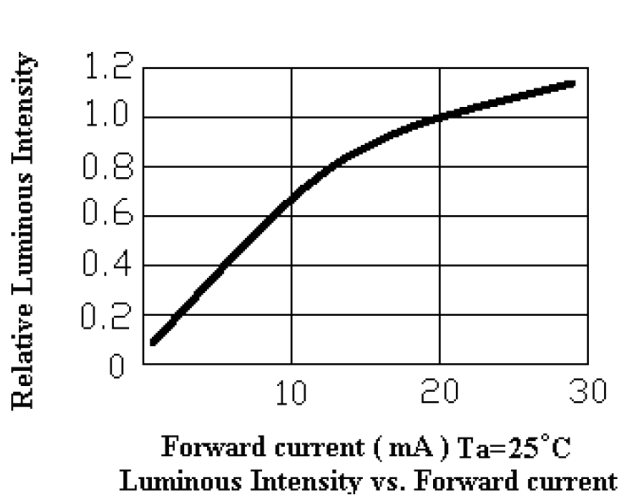
Super Green (AlInGaP $\lambda_P=570\text{nm}$)



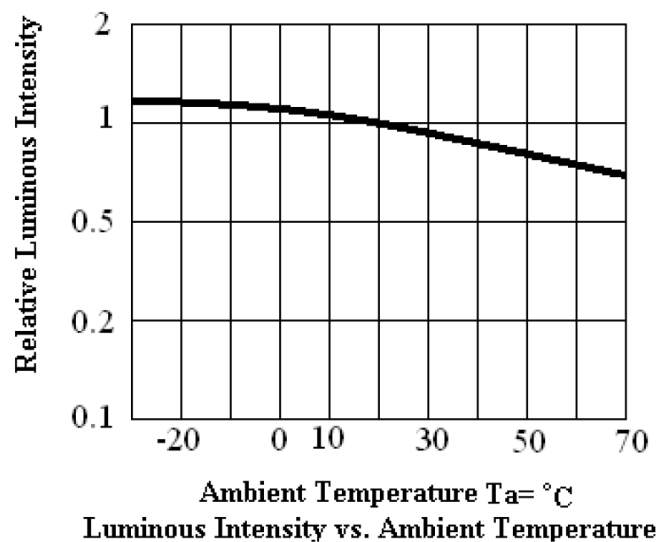
Forward Current vs. Forward Voltage



Forward Current Derating Curve



Luminous Intensity vs. Forward current

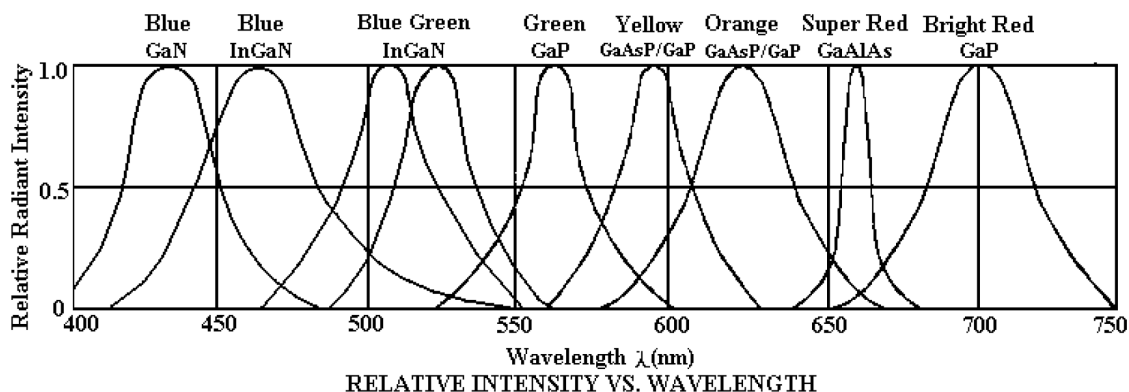


Luminous Intensity vs. Ambient Temperature

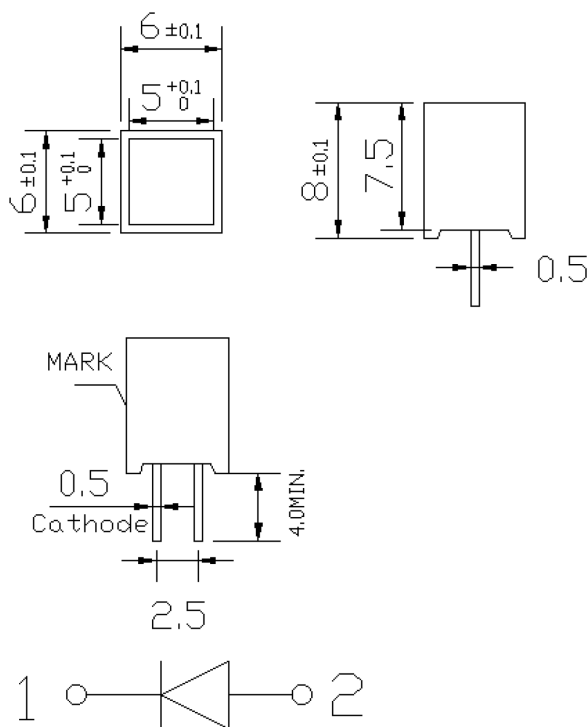
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Dimensions



Dimensions : Millimetres

Part Number Table

Description	Part Number
LED Light Bar, Super Green, 570nm, 10mcd, 6mm x 6mm	MP007993

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