## **Rectangular LED** Super Red, 2mm x 5.25mm

# multicomp PRO

### RoHS Compliant

### **Specifications**

Dice Material	: AlInGaP
Emitted colour	: Super Red
Lens colour	: Red Diffused
Peak wavelength	: 653nm
Viewing angle	: 120°
Luminous intensity (IV)	: 50mcd

Electrical / Optical Characterisitics at Ta = 25°C								
Parameter	Symbol	Min.	Тур.	Max.	Unit	Condition		
Luminous Intensity	IV	35	50	70	mcd			
Viewing Angle	201/2		120		deg			
Peak Emission Wavelength	λр		653		nm	IF = 20mA		
Dominant Wavelength	λD	632	637	643	nm			
Spectral Line Half-Width	Δλ		19		nm	]		
Forward Voltage	VF	1.7	1.9	2.4	V			
Reverse Current	lr	-	-	10	uA	VR=5V		
▲ Luminous intensity (IV) ±10%, Forward Voltage (VF) ±0.1V, Wavelength (λd) ±0.5nm								

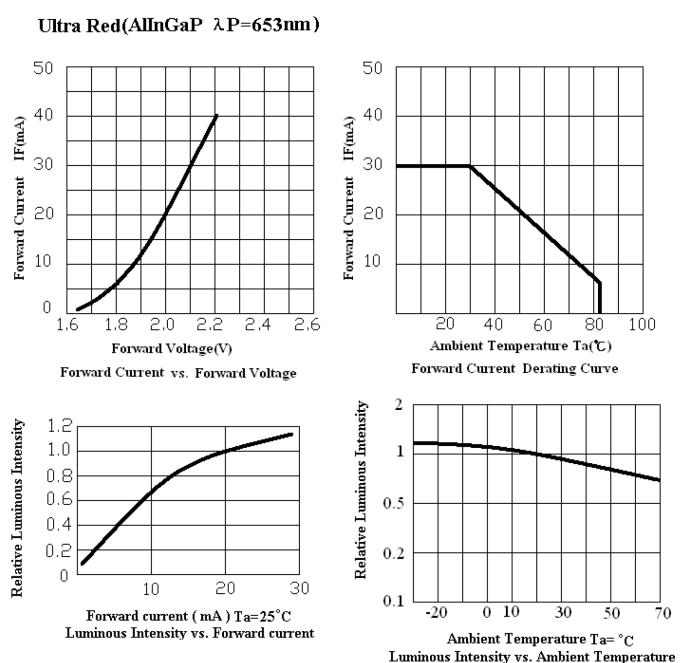
Absolute Maximum Ratings: (Ta = 25°C)						
Parameter	Symbol	Rating	Unit			
Power Dissipation	Pd	85	mW			
Peak Forward Current ( Duty 1/10 @ 1KHZ )	IF (Peak)	100	mA			
Recommended Operating Current	IF (Rec)	30	mA			
Electrostatic Discharge	ESDнвм	2000	V			
Operating Temperature Range	Topr	-40 to +85	°C			
Storage Temperature Range	Тѕтс	-40 to +100	°C			
Lead Soldering Temperature Range (1.6 mm (1/16 inch) from body)	Reflow Soldering: 260°C for 5 sec. Hand Soldering: 350°C for 3 sec.					

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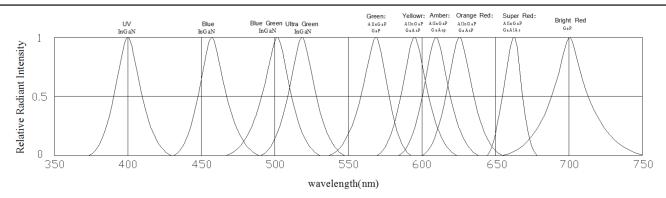


**Typical Electro-Optical Characteristics Curves** 

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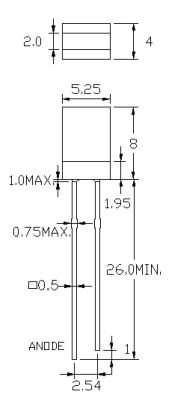
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Relative Intensity VS. wavelength

#### Dimensions



**Dimensions : Millimetres** 

#### Part Number Table

Description	Part Number
Rectangular LED, Super Red, 653nm, 120°, 50mcd, Through hole	MP007953

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