

# Square LED

## Super Red, 5mm × 5mm



### Specifications:

Dice material	: AlAGas
Emitted colour	: Super Red
Lens colour	: Red Diffused
Peak wavelength	: 660nm
Viewing angle	: 150°
Luminous intensity (IV)	: 20mcd

### Absolute Maximum Ratings ( $T_a = 25^{\circ}\text{C}$ )

Reverse Voltage	5V
Reverse Current	10 $\mu$ A ( $V_R = 5\text{V}$ )
Operating Temperature Range	-40°C to 85°C
Storage Temperature Range	-40°C to 100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

### Electrical/Optical Characteristics at $T_a = 25^{\circ}\text{C}$

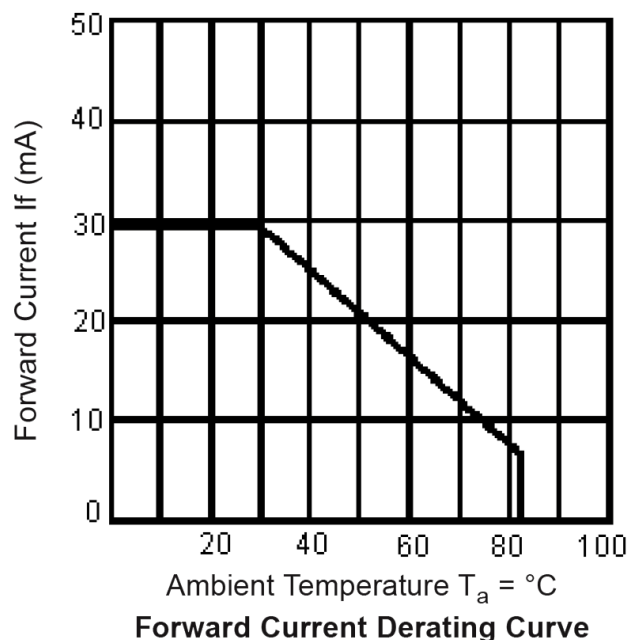
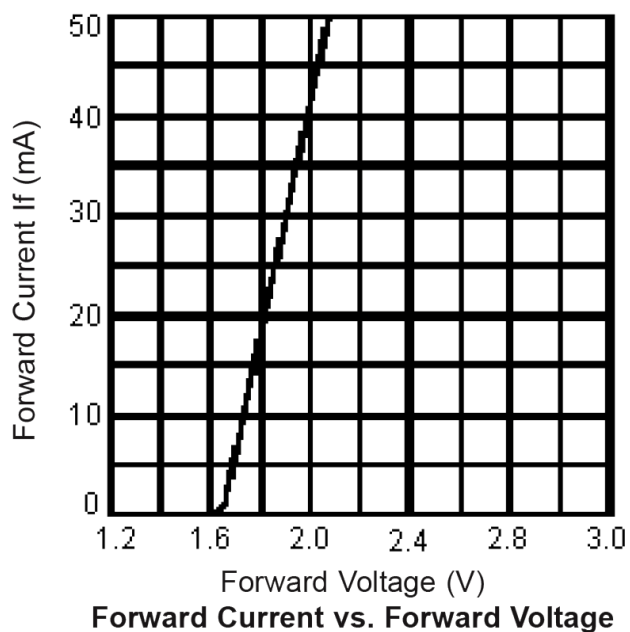
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	10	20	30	mcd	IF = 20mA
Viewing Angle	2 $\theta$ 1/2	-	150	-	degrees	
Peak Emission Wavelength	$\lambda_P$	-	660	-	nm	-
Dominant Wavelength	$\lambda_D$	-	643	-		-
Spectral Line Half-Width	$\Delta\lambda$	-	20	-		-
Forward Voltage	V <sub>F</sub>	1.5	1.85	2.5	V	IF = 20mA
Power Dissipation	P <sub>d</sub>	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

# Square LED

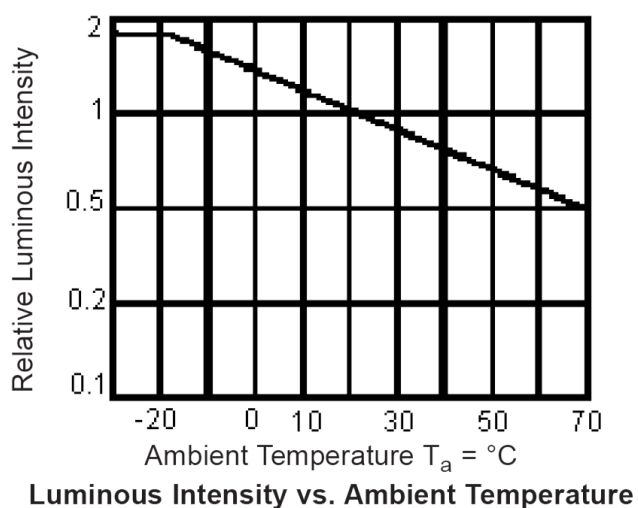
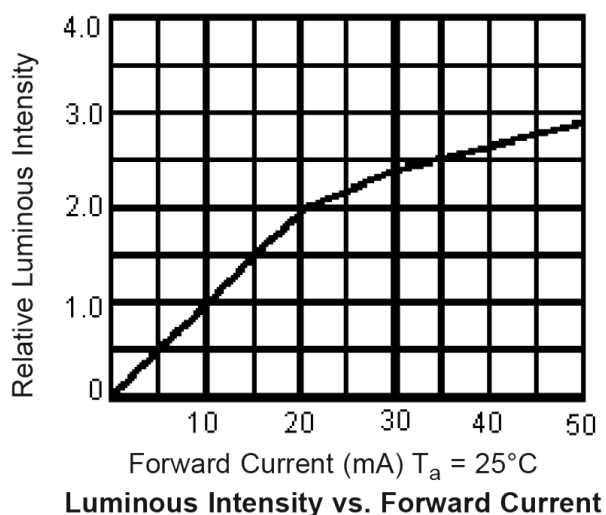
## Super Red, 5mm × 5mm



Amber (GaAsP/CaP  $\lambda_P = 610\text{nm}$ )

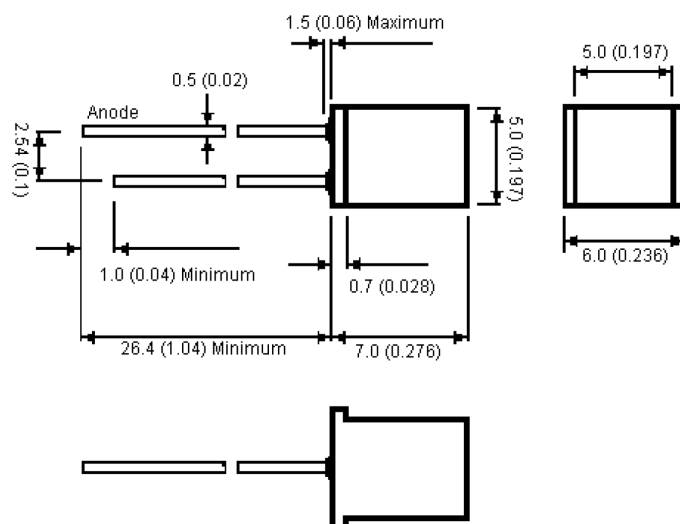
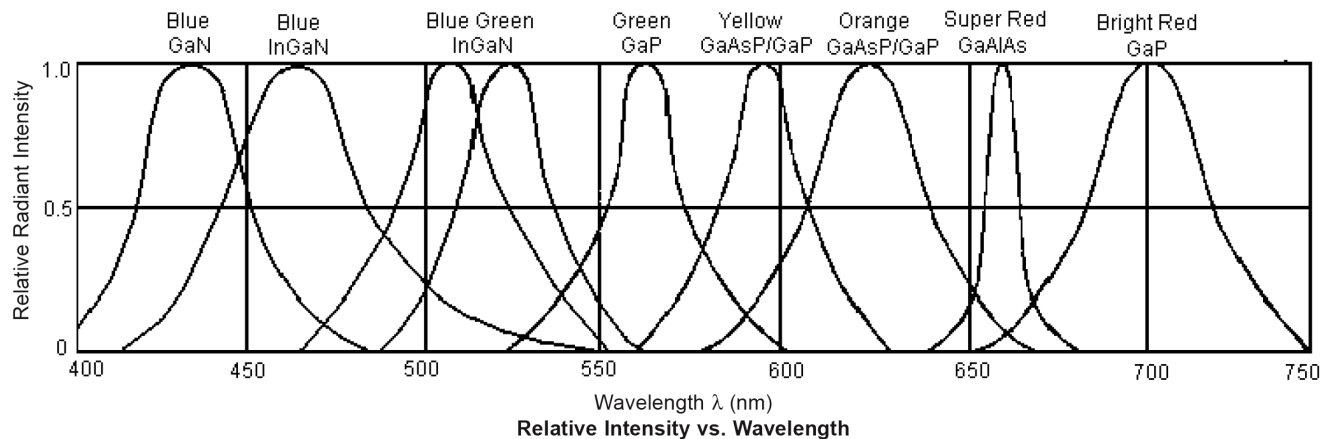


Amber (GaAsP/CaP  $\lambda_P = 610\text{nm}$ )



# Square LED

## Super Red, 5mm × 5mm



Dimensions : Millimetres (Inches)

### Part Number Table

Description	Part Number
LED, 5mm × 5mm, 150°, Super-Red	MCL293SRD

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