

# Tower LED

## Super-Red, 2mm

multicomp **PRO**

RoHS  
Compliant



### Specifications:

Dice Material	: AlAGas
Emitted Colour	: Super Red
Lens Colour	: Red Diffused
Peak Wavelength	: 660nm
Viewing Angle	: 60°
Luminous Intensity (IV)	: 25mcd

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

Reverse Voltage	5V
Reverse Current	10 $\mu$ A ( $V_R = 5V$ )
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

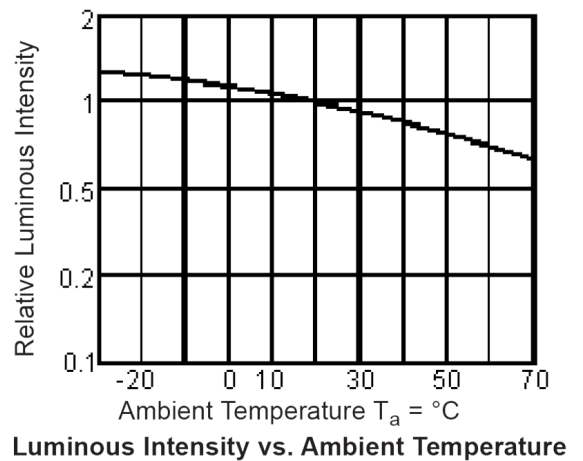
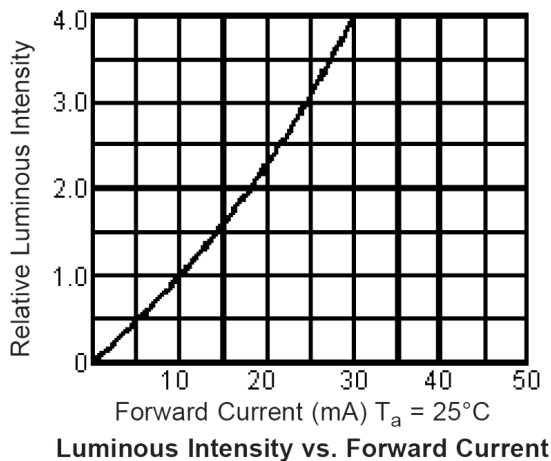
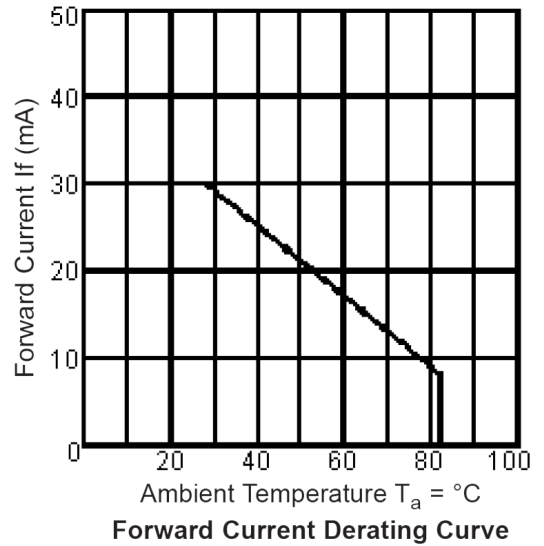
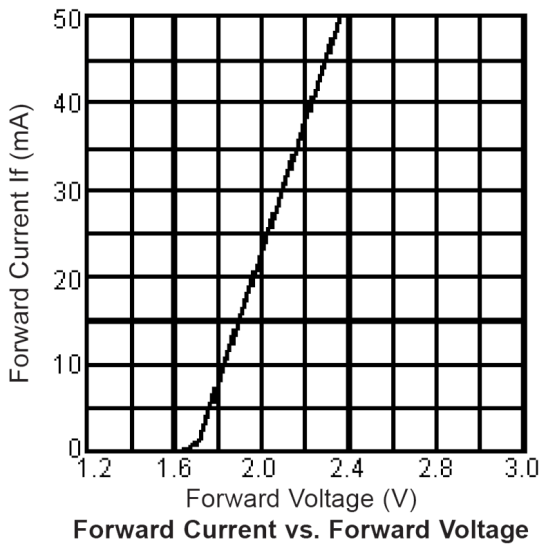
### Electrical/Optical Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	13	25	40	mcd	IF = 20mA
Viewing Angle	2 $\theta$ 1/2	-	60	-	degrees	
Peak Emission Wavelength	$\lambda_P$	-	660	-	nm	-
Dominant Wavelength	$\lambda_D$	-	643	-		-
Spectral Line Half-Width	$\Delta\lambda$	-	20	-		-
Forward Voltage	VF	1.5	1.85	2.5	V	IF = 20mA
Power Dissipation	Pd	-	-	85	mW	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	100	mA	-
Recommended Operating Current	IF (Rec)	-	20	-		-

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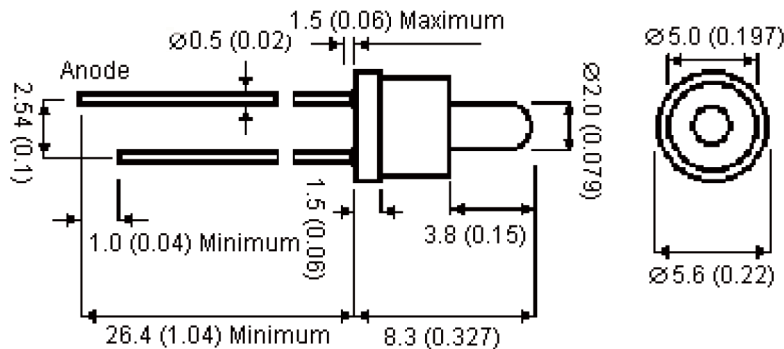
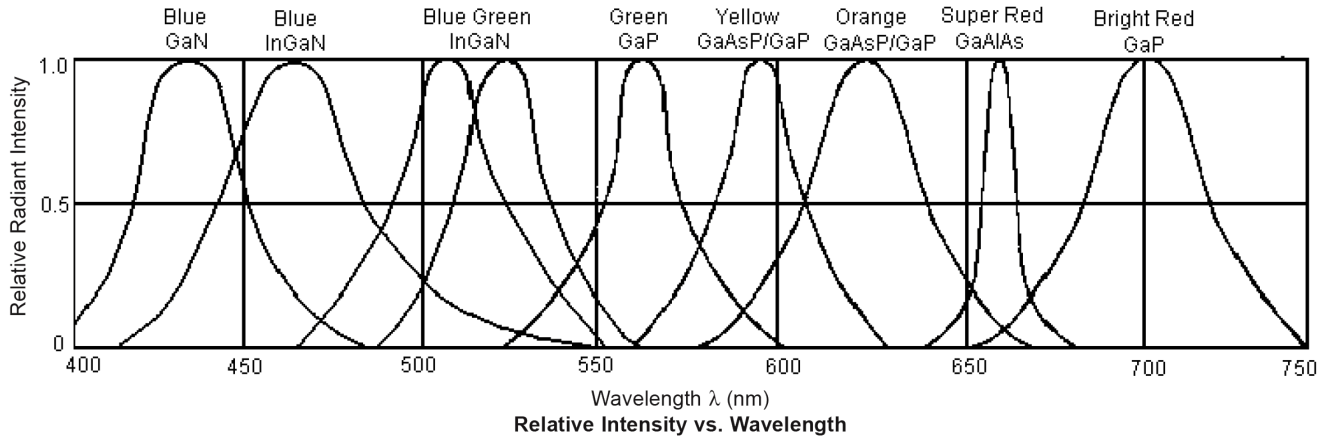
Super Red (GaAlAs)  $\lambda_P = 660\text{nm}$



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Dimensions : Millimetres (Inches)

### Part Number Table

Description	Part Number
LED, 2mm, 60°, Super-Red	MCL223SRD

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