

# Tower LED

## Amber, 2mm



RoHS  
Compliant



### Specifications:

Dice Material	: GaAsP on GaP
Emitted Colour	: Amber
Lens Colour	: Amber Diffused
Peak Wavelength	: 610nm
Viewing Angle	: 60°
Luminous Intensity (IV)	: 7.5mcd

### 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 $T_a = 25^\circ\text{C}$

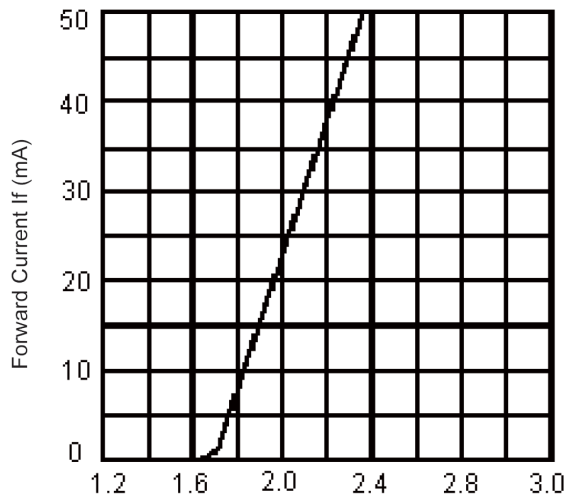
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	3.5	7.5	11	mcd	IF = 20mA
Viewing Angle	2 $\theta$ 1/2	-	76	-	degrees	
Peak Emission Wavelength	$\lambda_P$	-	610	-	nm	-
Dominant Wavelength	$\lambda_D$	-	608	-		-
Spectral Line Half-Width	$\Delta\lambda$	-	40	-		-
Forward Voltage	VF	1.7	21	2.6	V	IF = 20mA
Power Dissipation	Pd	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	100	mA	-
Recommended Operating Current	IF (Rec)	-	20	-		-

# Tower LED

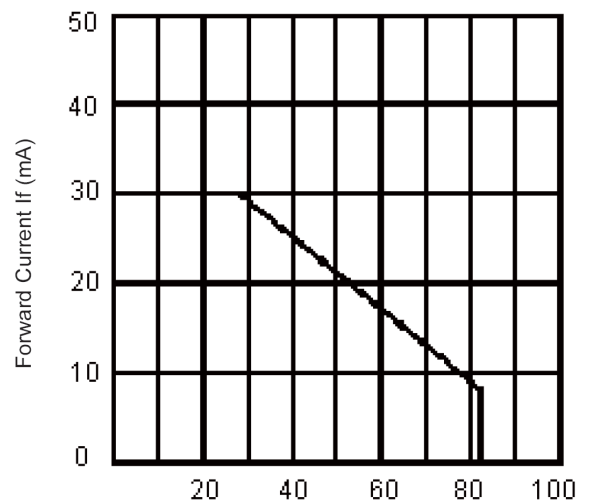
## Amber, 2mm



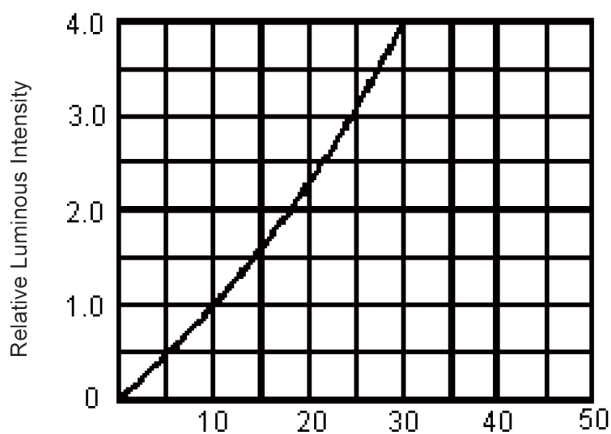
### Amber (GaAsP/CaP $\lambda_P = 610\text{nm}$ )



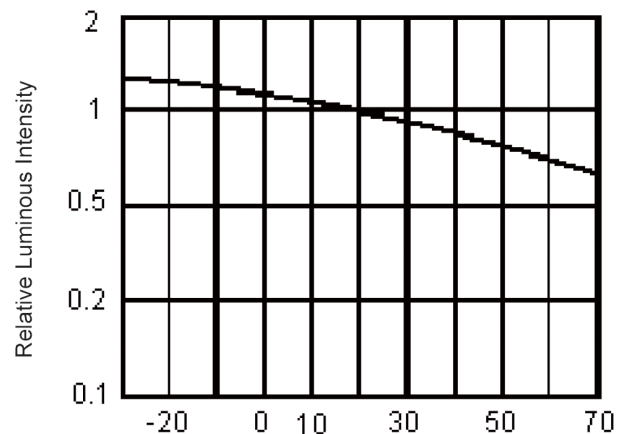
Forward Current vs. Forward Voltage



Forward Current Derating Curve



Luminous Intensity vs. Forward Current

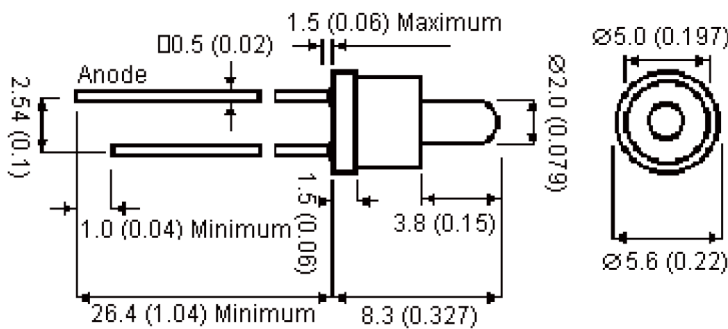
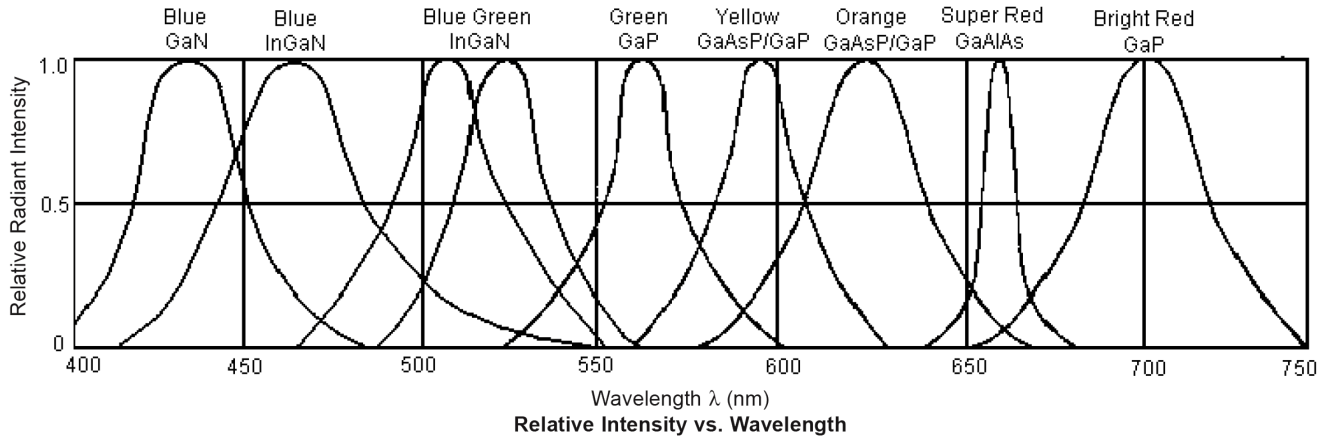


Luminous Intensity vs. Ambient Temperature



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Dimensions : Millimetres (Inches)

### Part Number Table

Description	Part Number
LED, 2mm, 60°, Amber	MCL223BD

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