

Tower LED HE-Red, 2mm



RoHS
Compliant



Specifications:

Dice Material	: GaAsP on GaP
Emitted Colour	: HI-eff Red
Lens Colour	: Red Diffused
Peak Wavelength	: 635nm
Viewing Angle	: 60°
Luminous Intensity (IV)	: 7.8mcd

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

Reverse Voltage	5V
Reverse Current	10 μ 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 $T_a = 25^\circ\text{C}$

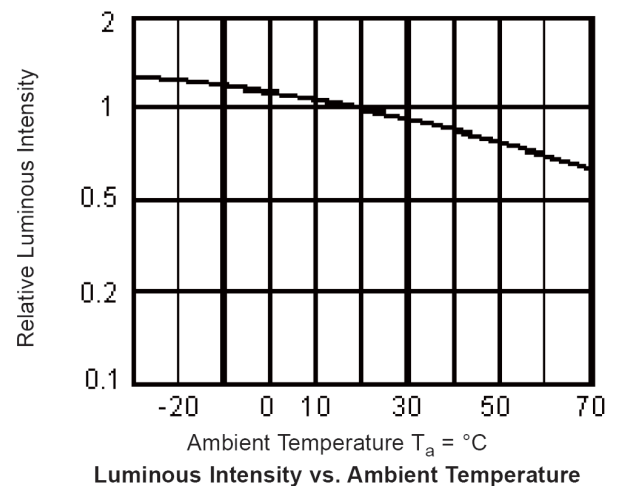
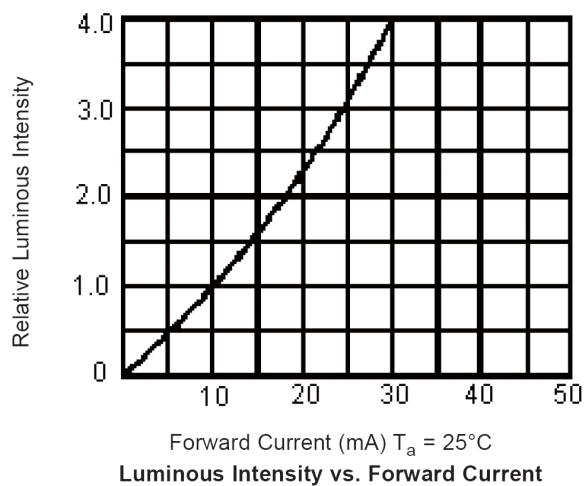
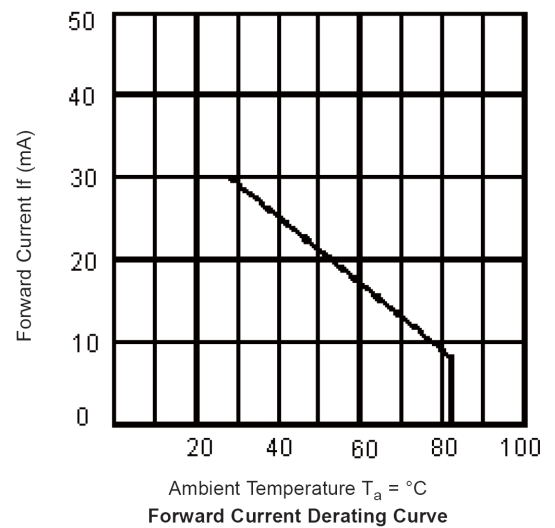
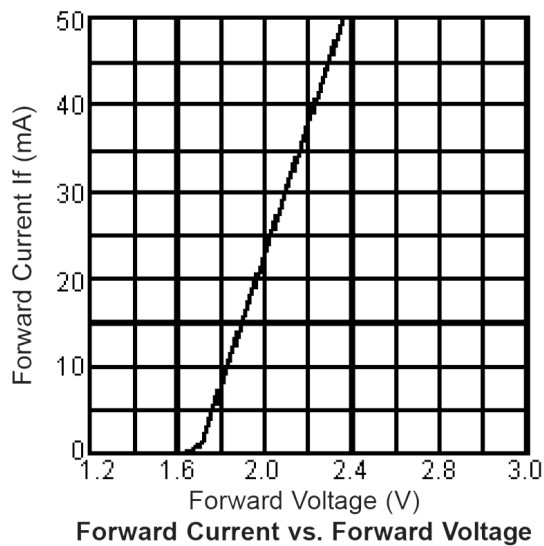
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	3.5	7.8	11.5	mcd	IF = 20mA
Viewing Angle	2 θ 1/2	-	60	-	degrees	
Peak Emission Wavelength	λ_P	-	635	-	nm	-
Dominant Wavelength	λ_D	-	625	-		-
Spectral Line Half-Width	$\Delta\lambda$	-	45	-		-
Forward Voltage	VF	1.6	2	2.6	V	IF = 20mA
Power Dissipation	Pd	-	-	85	mW	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	100	mA	-
Recommended Operating Current	IF (Rec)	-	20	-		-

Tower LED

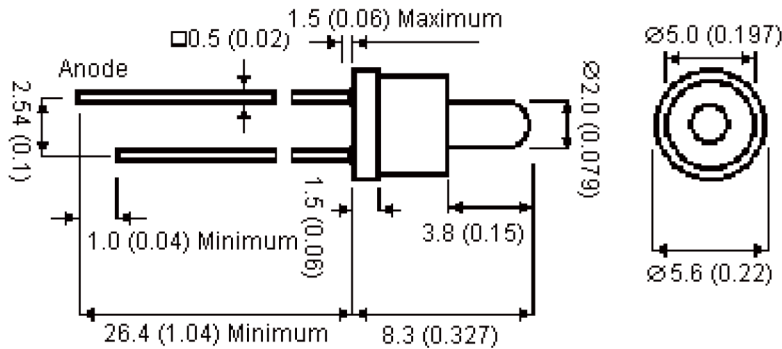
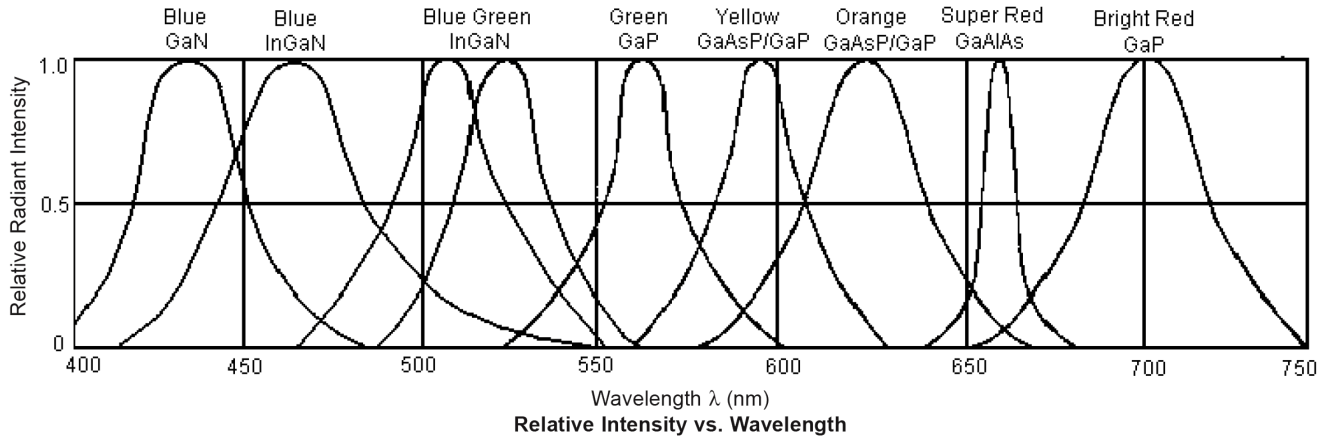
HE-Red, 2mm



Bright Red (GaP $\lambda_P = 697\text{nm}$)



Tower LED HE-Red, 2mm



Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
LED, 2mm, 60°, HE-Red	MCL223MD

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