

8mm BLINKING LED LAMP

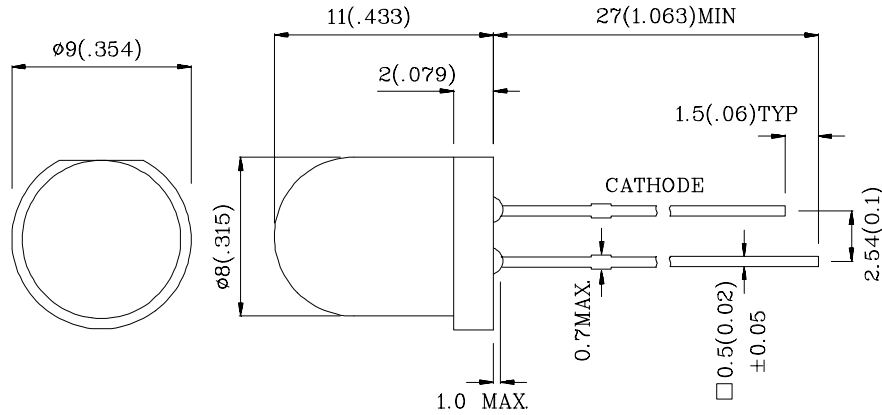


SUN LED

XBMR81D

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Notes:

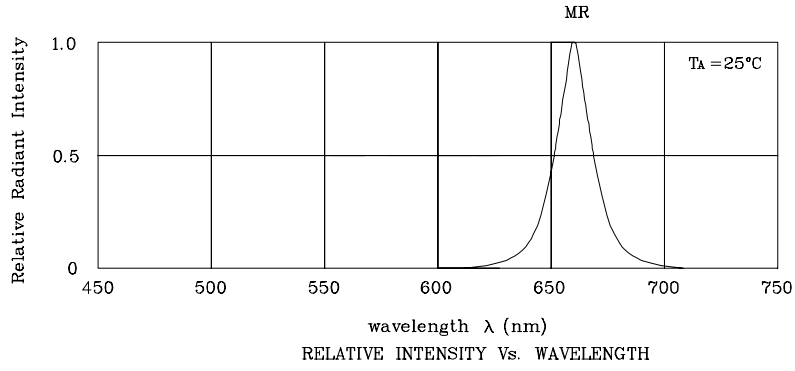
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ " unless otherwise noted.

Absolute maximum ratings ($T_A=25^\circ\text{C}$)		MR (GaAlAs)	Unit
Reverse voltage	V_R	0.5	V
Forward voltage	V_F	14	V
Power dissipation	P_T	310	mW
Operating temperature	T_A	-40 ~ +70	°C
Storage temperature	T_{stg}	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics ($T_A=25^\circ\text{C}$)		MR (GaAlAs)	Unit
Forward current (min.) ($V_F=3.5\text{V}$)	I_F	8	mA
Forward current (typ.) ($V_F=5\text{V}$)	I_F	22	mA
Supply current $V_F=3.5\text{V}$	I_{SON}	8	mA
Supply current $V_F=14\text{V}$	I_{SON}	44	mA
Blink Frequency $V_F=3.5\text{V}$	f	3	Hz
Blink Frequency $V_F=14\text{V}$	f	1.5	Hz
Wavelength at peak emission	λ_{peak}	660	nm
Wavelength at Dominate emission	λ_D	640	nm
Spectral Line half-width	$\Delta\lambda$	20	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($V=9\text{V}$) mcd		Wavelength nm λ_P	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XBMR81D	Red	GaAlAs	Red Diffused	100	290	660	60°

XBMR81D



◆MR

