



SINGLE COLOR LED

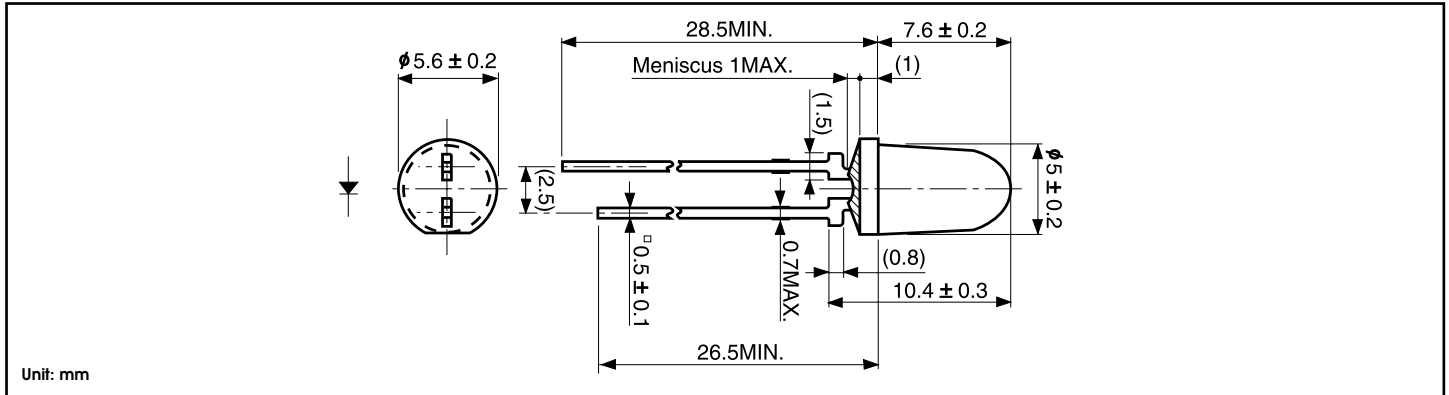
5mm Round Shape



H-1000L / H-2000L / H-3000L

HIGH BRIGHTNESS COLOR

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red		Units
		H (KR)		
Power Dissipation	Pd	125		mW
Forward Current	If	50		mA
Peak Forward Current	IfM	300		mA
Reverse Voltage	Vr	4		V
Operating Temperature	Topr	-30 to +85		°C
Storage Temperature	Tstg	-30 to +100		°C
Derating (DC)*	If	0.67		mA/°C

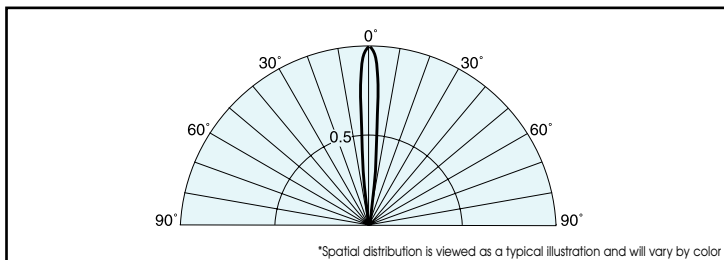
* Ta=25°C, IfM applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity Iv			Wavelength				Forward Voltage Vf			Reverse Current Ir		Viewing Angle (2 1/2)
				MIN.	TYP.	If	Peak P TYP.	Spectral Line Half Width		TYP.	MAX.	If	MAX.	Vr		
								Dominant d TYP.	TYP.						If	
H-3000L	GaAlAs	Red	Water Clear	2,400	3,000	20	660	647	25	20	1.8	2.5	20	100	4	10°
H-2000L				1,400	2,000	20	660	647	25	20	1.8	2.5	20	100	4	
H-1000L				700	1,000	20	660	647	25	20	1.8	2.5	20	100	4	
Units				mcd		mA	nm			mA	V	mA	µA	V	Deg.	

Spatial Distribution (x)



Operation Current Derating Chart

