



# SINGLE COLOR LED

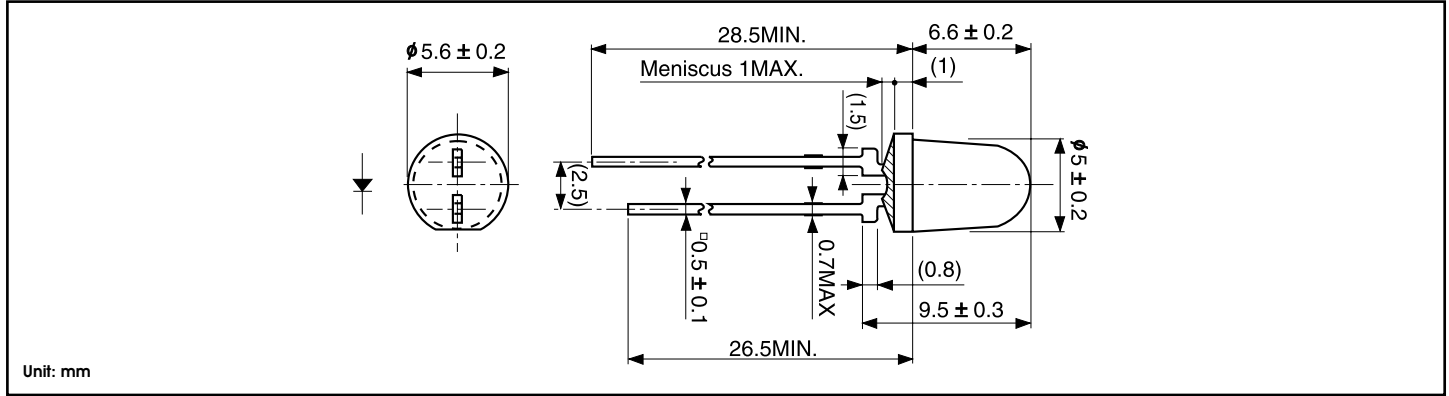
5mm Round Shape



## KR5005S

HIGH BRIGHTNESS COLOR

### Outline Dimensions



### Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red		Units
		Red	KR	
Power Dissipation	Pd	125		mW
Forward Current	I <sub>F</sub>	50		mA
Peak Forward Current	I <sub>FM</sub>	300		mA
Reverse Voltage	V <sub>R</sub>	4		V
Operating Temperature	T <sub>opr</sub>	-30 to +85		°C
Storage Temperature	T <sub>stg</sub>	-30 to +100		°C
Derating (DC)*	I <sub>F</sub>	0.67		mA/°C

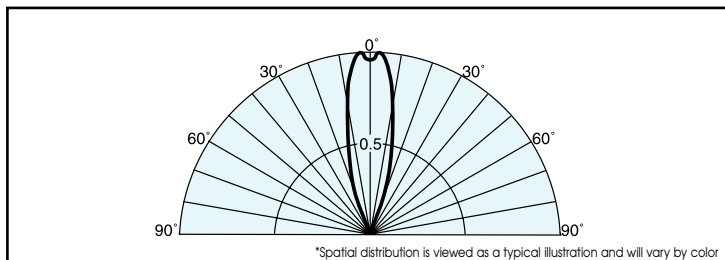
\* Ta=25°C, I<sub>FM</sub> applies for the pulse width 1 msec. and duty cycle 1/20  
The current derating for operation applies when the temperature is above 25°C

### 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 I <sub>V</sub>			Wavelength				Forward Voltage V <sub>F</sub>			Reverse Current I <sub>R</sub>		Viewing Angle (2 1/2)
				MIN.	TYP.	I <sub>F</sub>	Peak P TYP.	Dominant d TYP.	Spectral Line Half Width		TYP.	MAX.	I <sub>F</sub>	MAX.	V <sub>R</sub>	
									TYP.	I <sub>F</sub>						
KR5005S	GaAlAs	Red	Water Clear	200	300	20	660	647	25	20	1.8	2.5	20	100	4	25°
Units				mcd	mA		nm		mA		V	mA	µA	V		Deg.

### Spatial Distribution (x)



### Operation Current Derating Chart

