



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# SINGLE COLOR LED

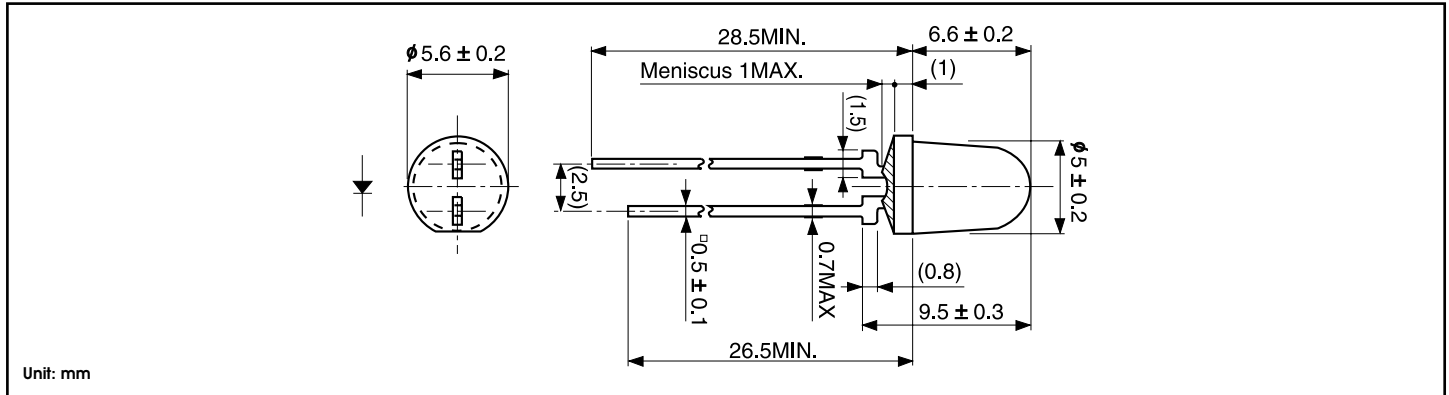
5mm Round Shape



## KR5005S

HIGH BRIGHTNESS COLOR

### Outline Dimensions



### Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red	Units
		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

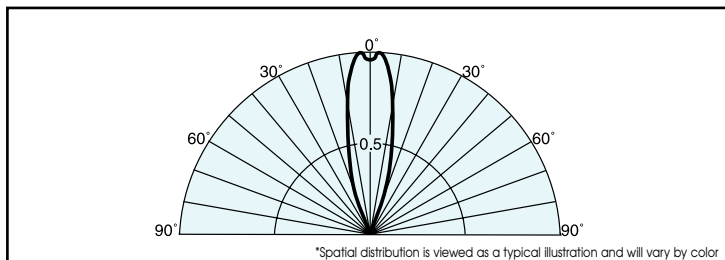
\* Ta=25°C, IFM applies for the pulse width 1msec. and duty cycle 1/20  
The current derating for operation applies when the temperature is above 25°C

### 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.	Dominant d TYP.	Spectral Line Half Width TYP.	IF	TYP.	MAX.	IF	MAX.	VR	
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

