

SINGLE COLOR LED

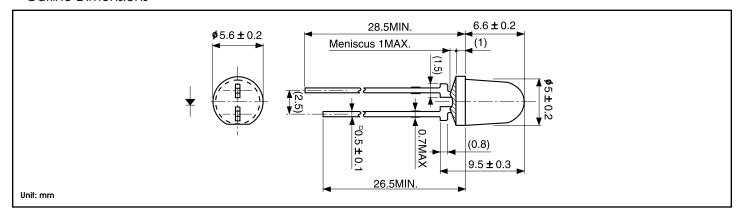
5mm Round Shape



KR5005S

HIGH BRIGHTNESS COLOR

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

ltem		Red					
liem	Symbol	KR	Units				
Power Dissipation	Pd	125	mW				
Forward Current	F	50	mA				
Peak Forward Current	FM	300	mA				
Reverse Voltage	VR	4	V				
Operating Temperature	Topr	-30 to +85	°C				
Storage Temperature	Tstg	-30 to +100	°C				
Derating (DC)*	F	0.67	mA/°C				

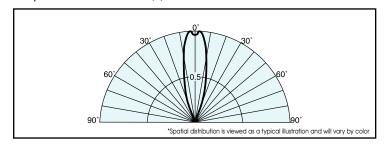
 $^{^{*}}$ Ta=25°C, $l_{\rm M}$ applies for the pulse width $\,$ 1msec. and duty cycle $\,$ 1/20 The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

*The viewing angle is an average and will vary by color $(Ta=25^{\circ}C)$

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _V			Wavelength Spectral Line Peak Dominant Half Width				Forward Voltage V _F			Reverse Current IR		Viewing Angle (2 1/2)
				MIN.	TYP.	lF	TÝP.	TYP.	TYP.	l _F	TYP.	MAX.	l _F	MAX.	VR	(2 1/2/
KR5005S	GaAlAs	Red	Water Clear	200	300	20	660	647	25	20	1.8	2.5	20	100	4	25°
Units			m	cd	mA		nm		mA	,	V	mA	μΑ	V	Deg.	

Spatial Distribution (x)



Operation Current Derating Chart

