



SINGLE COLOR LED

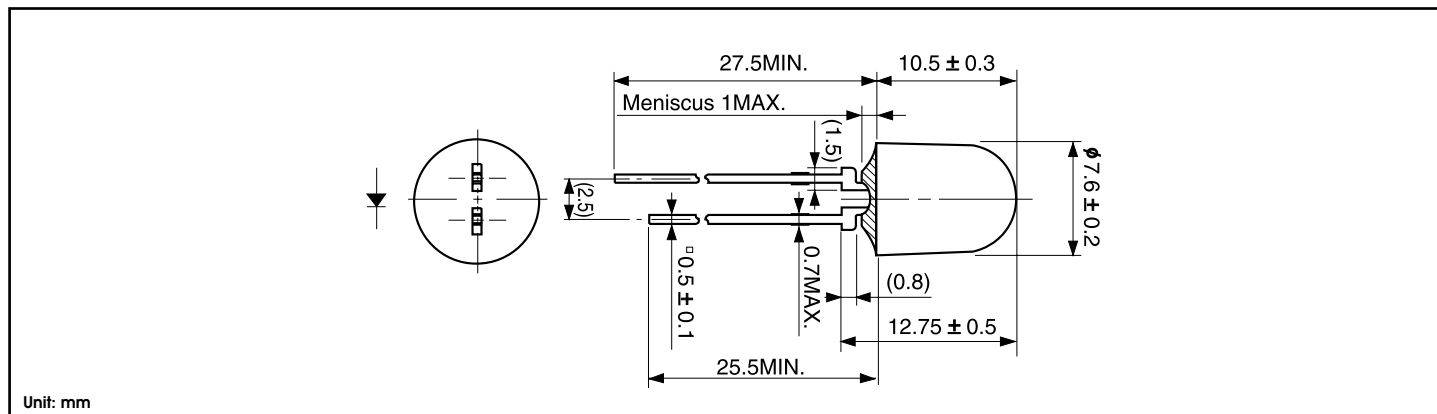
7.6mm Round Shape



KR7001X / HBR & HPY7071X

HIGH BRIGHTNESS COLOR

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red KR7001X	Red HBR7071X	Yellow-Green HPY7071X	Units
Power Dissipation	Pd	125	100	125	mW
Forward Current	If	50	50	50	mA
Peak Forward Current	IfM	300	300	100	mA
Reverse Voltage	VR	4	4	4	V
Operating Temperature	Topr	-30 to +85			°C
Storage Temperature	Tstg	-30 to +100			°C
Derating (DC)*	If	0.67			mA/°C

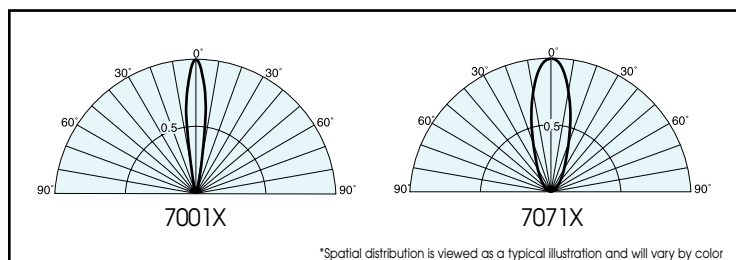
* Ta=25°C, IfM applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

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 I _V			Wavelength				Forward Voltage V _F			Reverse Current I _R		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	
KR7001X	GaAlAs	Red	Water Clear	500	1,000	20	660	647	25	20	1.8	2.5	20	100	4	15°
HBR7071X	GaAlAs		Diffused Pastel Red	30	60	20	660	647	30	20	1.7	2.0	20	100	4	25°
HPY7071X	GaP	Yellow-Green	Diffused Pastel Yellow	30	60	20	570	572	30	20	2.1	2.5	20	20	4	35°
Units				mcd		mA	nm			mA	V		mA	μA	V	Deg.

Spatial Distribution (x)



Operation Current Derating Chart

