



# SINGLE COLOR LED

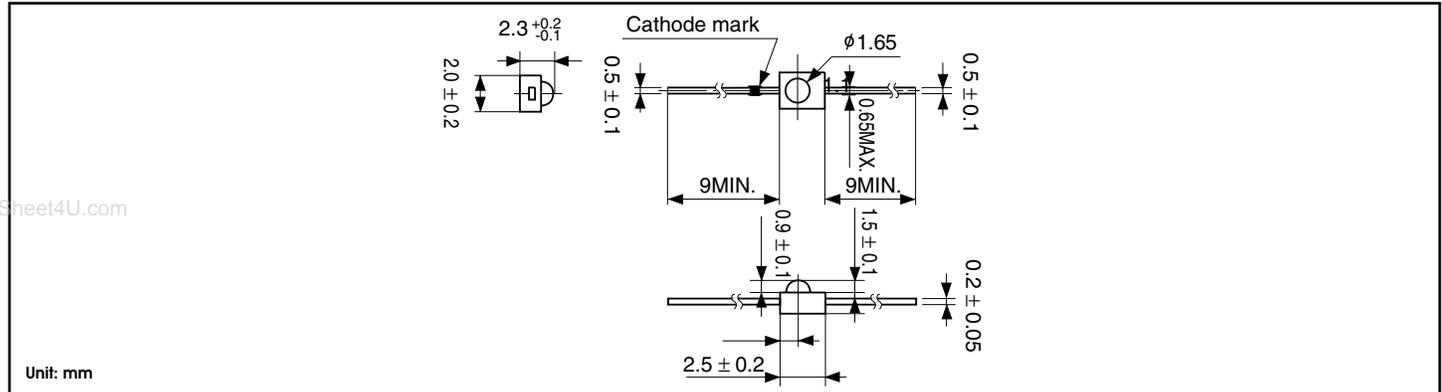
1.6mm Round Shape

## 2262S / 2272S Series

STANDARD COLOR



### Outline Dimensions



### Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		BR	MPR	MVR	MAA	MAY	MPY	MPG	MBG	
Power Dissipation	Pd	80	70	70	70	70	70	70	70	mW
Forward Current	If	40	25	25	25	25	25	25	25	mA
Peak Forward Current	IfM	300	60	60	60	60	60	60	60	mA
Reverse Voltage	VR	4	4	4	4	4	4	4	4	V
Operating Temperature	Topr	-30 to +85								°C
Storage Temperature	Tstg	-30 to +100								°C
Derating (DC)*	If	0.67	0.42							mA/°C

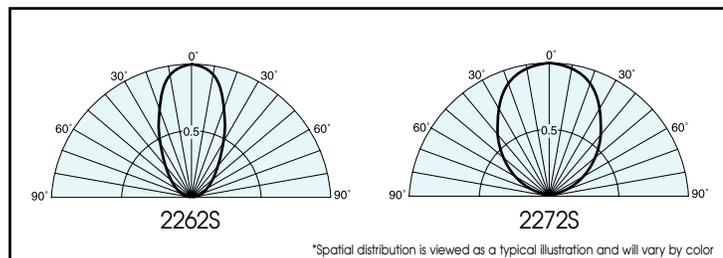
\* Ta=25°C, IfM applies for the pulse width 1msec. and duty cycle 1/20  
The current derating for operation applies when the temperature is above 25°C

### Electro-Optical Characteristics

\*2262S lens is clear and 2272S lens is diffused  
\*\*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 Spectral Line Dominant Half Width				Forward Voltage Vf			Reverse Current IR		Viewing Angle** (2 1/2)
				MIN.	TYP.	If	Peak P TYP.	Dominant d TYP.	TYP.	If	TYP.	MAX.	If	MAX.	Vr	
				mcd		mA	nm		mA	V	mA	µA	V			
BR2262S/2272S	GaAlAs	Red	Pastel Red	10/8	20/16	20	660	647	30	20	1.7	2.0	20	100	4	60/90°
MPR2262S/2272S	GaP			0.8/0.6	1.6/1.2	10	700	635	100	10	2.1	2.8	10	20	4	
MVR2262S/2272S	GaAsP			8/6	16/12	20	630	624	30	20	2.0	2.8	20	20	4	
MAA2262S/2272S	GaAsP	Orange	Pastel Orange	8/6	16/12	20	605	606	30	20	2.2	2.8	20	20	4	
MAY2262S/2272S	GaAsP			8/5	16/10	20	580	590	30	20	2.2	2.8	20	20	4	
MPY2262S/2272S	GaP	Yellow Green	Pastel Yellow	12/8	24/16	20	570	572	30	20	2.1	2.8	20	20	4	
MPG2262S/2272S	GaP			8/6	16/12	20	560	567	30	20	2.1	2.8	20	20	4	
MBG2262S/2272S	GaP	Pure Green	Pastel Green	4/2	8/4	20	555	558	30	20	2.1	2.8	20	20	4	
Units				mcd	mA		nm		mA	V	mA	µA	V	Deg.		

### Spatial Distribution (x)



### Operation Current Derating Chart

