



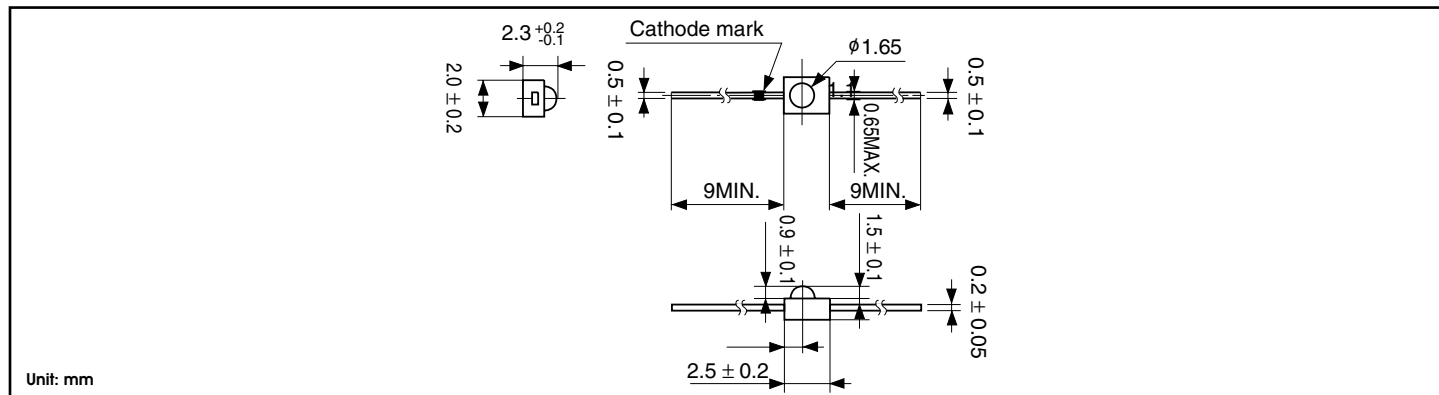
SINGLE COLOR LED

1.6mm Round Shape

2262S / 2272S Series

S T A N D A R D C O L O R

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	I _F	40	25	25	25	25	25	25	25	mA
Peak Forward Current	I _{FM}	300	60	60	60	60	60	60	60	mA
Reverse Voltage	V _R	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)*	I _F	0.67	0.42							mA/°C

* Ta=25°C, I_{FM} 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

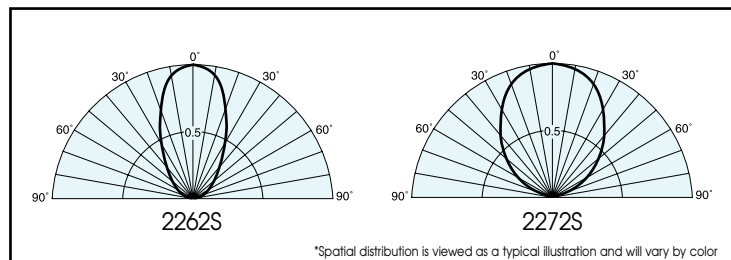
*2262S lens is clear and 2272S lens is diffused

**The viewing angle is an average and will vary by color

(Ta=25°C)

Part No.	Material	Emitted Color	Lens Color*	Luminous Intensity I _v			Wavelength Spectral Line Dominant Half Width				Forward Voltage V _F			Reverse Current I _R		Viewing Angle** (2 1/2)
				MIN.	TYP.	I _F	Peak P TYP.	Dominant d TYP.	TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R	
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	Yellow	Pastel Yellow	8/5	16/10	20	580	590	30	20	2.2	2.8	20	20	4	
MPY2262S/2272S	GaP	Yellow Green		12/8	24/16	20	570	572	30	20	2.1	2.8	20	20	4	
MPG2262S/2272S	GaP	Green	Pastel Green	8/6	16/12	20	560	567	30	20	2.1	2.8	20	20	4	
MBG2262S/2272S	GaP	Pure 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

