



SINGLE COLOR LED

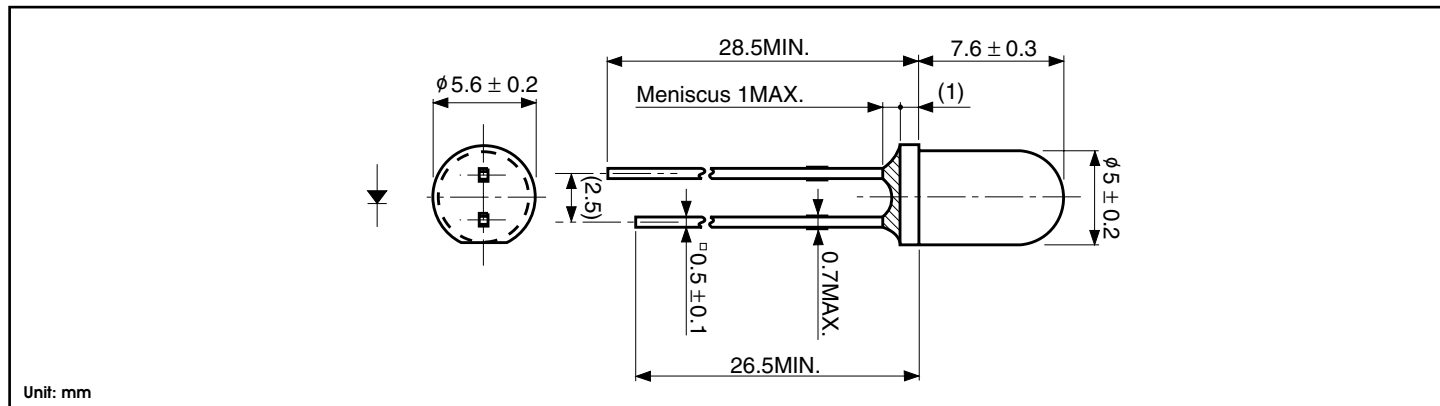
5mm Round Shape



5364X / 5374X 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	100	75	75	70	85	85	70	70	mW
Forward Current	I _F	50	30	30	25	30	30	25	25	mA
Peak Forward Current	I _{FM}	300	75	75	60	75	75	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	0.40		0.33	0.40		0.33		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

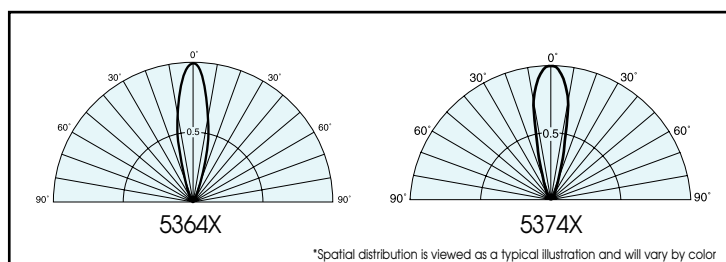
Electro-Optical Characteristics

*5364X lens is clear and 5374X 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				Forward Voltage V _F			Reverse Current I _R		Viewing Angle** (2 1/2)	
				MIN.	TYP.	I _F	Peak P TYP.	Dominant d TYP.	Spectral Line Half Width TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R		
BR5364X/5374X	GaAlAs	Red	Pastel Red	60/30	120/60	20	660	647	30	20	1.7	2.0	20	100	4	25/30°	
MPR5364X/5374X	GaP			5/3	10/6	10	700	635	100	10	2.1	2.8	10	20	4		
MVR5364X/5374X	GaAsP			50/30	100/60	20	630	624	30	20	2.0	2.8	20	20	4		
MAA5364X/5374X	GaAsP	Orange	Pastel Orange	50/25	100/50	20	605	606	30	20	2.2	2.8	20	20	4		
MAY5364X/5374X	GaAsP	Yellow	Pastel Yellow	40/20	80/40	20	580	590	30	20	2.2	2.8	20	20	4		
MPY5364X/5374X	GaP	Yellow Green		60/30	120/60	20	570	572	30	20	2.1	2.8	20	20	4		
MPG5364X/5374X	GaP	Green	Pastel Green	50/20	100/40	20	560	567	30	20	2.1	2.8	20	20	4		
MBG5364X/5374X	GaP	Pure Green		20/8	40/16	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

