



SINGLE COLOR LED

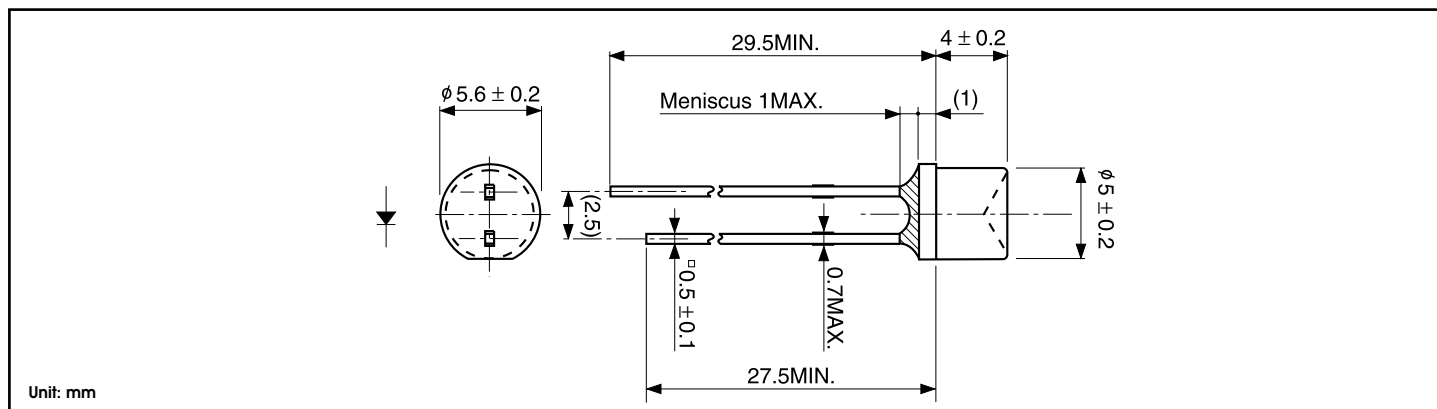
5mm Round Shape



5362X 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	PR	VR	AA	AY	PY	PG	BG	
Power Dissipation	Pd	100	75	75	125	125	125	125	125	mW
Forward Current	IF	50	30	30	50	50	50	50	50	mA
Peak Forward Current	IFM	300	100	100	100	100	100	100	100	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	0.33			0.67				mA/°C

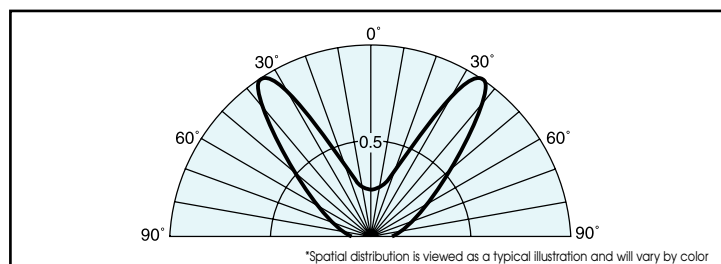
* Ta=25°C, I_m applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _v			Wavelength Spectral Line Half Width				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 1/2)
				MIN.	TYP.	If	Peak P TYP.	Dominant d TYP.	TYP.	If	TYP.	MAX.	If	MAX.	V _R	
BR5362X	GaAlAs	Red	Clear Pastel Red	2	4	20	660	647	30	20	1.7	2.0	20	100	4	110°
PR5362X	GaP			0.4	0.6	10	700	635	10	10	2.1	2.5	10	100	4	
VR5362X	GaAsP			2	4	20	630	624	30	20	2.0	2.5	20	100	4	
AA5362X	GaAsP	Orange	Clear Pastel Orange	2	4	20	605	606	30	20	2.2	2.5	20	100	4	
AY5362X	GaAsP	Yellow	Clear Pastel Yellow	2	4	20	580	590	30	20	2.2	2.5	20	100	4	
PY5362X	GaP	Yellow Green		3	6	20	570	572	30	20	2.1	2.5	20	100	4	
PG5362X	GaP	Green	Clear Pastel Green	2	4	20	560	567	30	20	2.1	2.5	20	100	4	
BG5362X	GaP	Pure Green		0.6	1.2	20	555	558	30	20	2.1	2.5	20	100	4	
Units				mcd		mA	nm		mA		V		mA	μA	V	Deg.

Spatial Distribution (x)



Operation Current Derating Chart

