



SINGLE COLOR LED

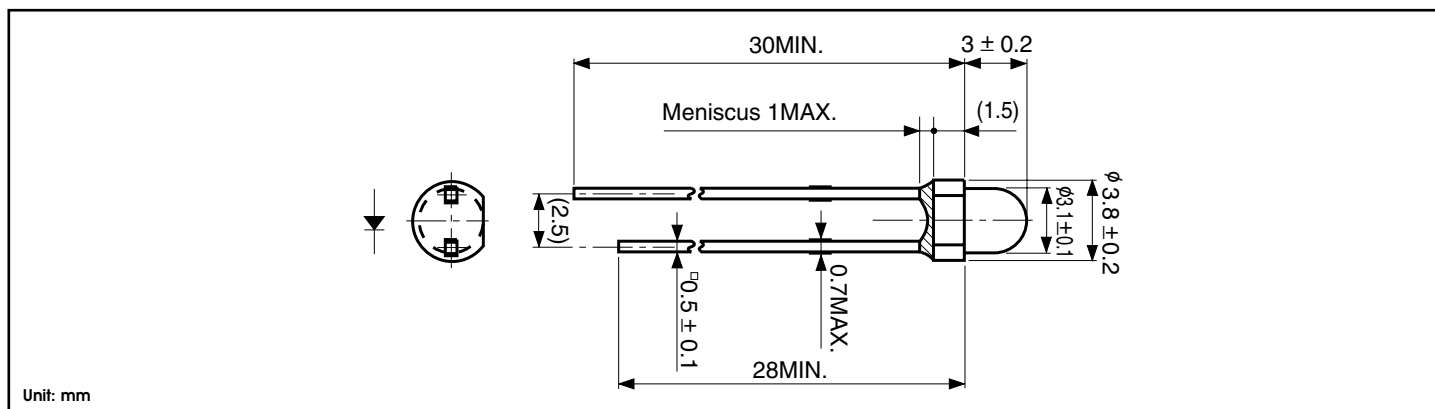
3mm Round Shape



3361X Series

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

Outline Dimensions



Unit: mm

Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		EBR/BR	MPR	EMVR/MVR	EMAA/MAA	EMAY/MAY	EMPY/MPY	EMPG/MPG	EMBG/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

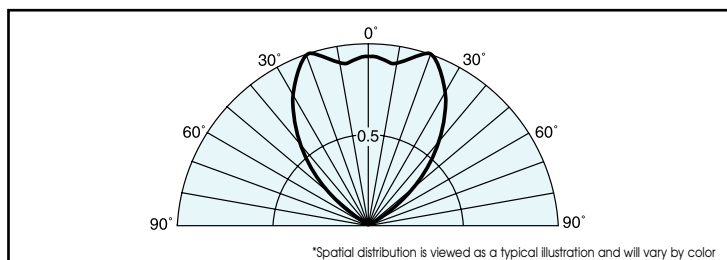
* Ta=25°C, I_m applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

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 Peak P Dominant d Half Width				Forward Voltage V _f			Reverse Current I _r		Viewing Angle (2 1/2)
				MIN.	TYP.	I _f	Peak P TYP.	TYP.	TYP.	I _f	TYP.	MAX.	I _f	MAX.	V _r	
EBR/BR3361X	GaAlAs	Red	Clear Pastel Red	12/6	18/12	20	660	647	30	20	1.7	2.0	20	100	4	100°
MPR3361X	GaP			0.8	1.6	10	700	635	100	10	2.1	2.8	10	20	4	
EMVR/MVR3361X	GaAsP			8/4	12/8	20	630	624	30	20	2.0	2.8	20	20	4	
EMAA/MAA3361X	GaAsP	Orange	Clear Pastel Orange	12/6	18/12	20	605	606	30	20	2.2	2.8	20	20	4	90°
EMAY/MAY3361X	GaAsP	Yellow	Clear Pastel Yellow	10/5	15/10	20	580	590	30	20	2.2	2.8	20	20	4	
EMPY/MPY3361X	GaP	Yellow Green		20/10	30/20	20	570	572	30	20	2.1	2.8	20	20	4	
EMPG/MPG3361X	GaP	Green	Clear Pastel Green	12/6	18/12	20	560	567	30	20	2.1	2.8	20	20	4	
EMBG/MBG3361X	GaP	Pure Green		6/3	9/6	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

