



SINGLE COLOR LED

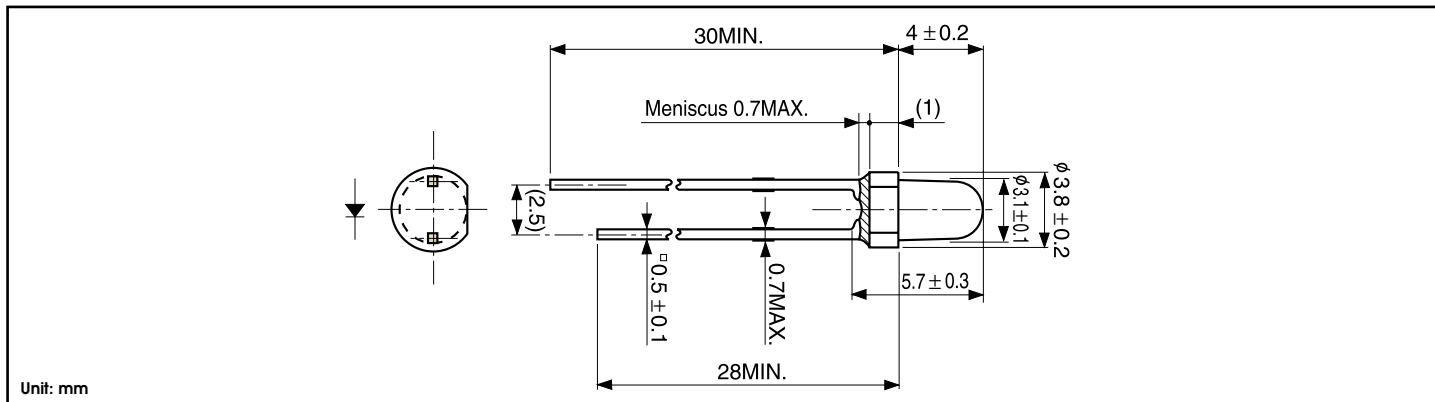
3mm Round Shape



3378S 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
		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	IF	50	30	30	25	30	30	25	25	mA
Peak Forward Current	IFM	300	75	75	60	75	75	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	0.40		0.33	0.40		0.33		mA/°C

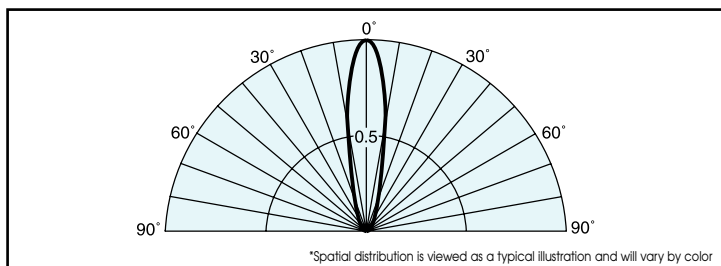
* Ta=25°C, IFM applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

*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 d Half Width				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 1/2)
				MIN.	TYP.	I _F	Peak P TYP.	Dominant TYP.	TYP.	I _F	TYP	MAX.	I _F	MAX.	V _R	
EBR/BR3378S	GaAlAs	Red	Diffused Pastel Red	30/15	45/30	20	660	647	30	20	1.7	2.0	20	100	4	20°
MPR3378S	GaP			1.5	3	10	700	635	100	10	2.1	2.8	10	20	4	
EMVR/MVR3378S	GaAsP			20/10	30/20	20	630	624	30	20	2.0	2.8	20	20	4	
EMAA/MAA3378S	GaAsP	Orange	Diffused Pastel Orange	20/10	30/20	20	605	606	30	20	2.2	2.8	20	20	4	25°
EMAY/MAY3378S	GaAsP	Yellow	Diffused Pastel Yellow	20/10	30/20	20	580	590	30	20	2.2	2.8	20	20	4	
EMPY/MPY3378S	GaP	Yellow Green		30/15	45/30	20	570	572	30	20	2.1	2.8	20	20	4	
EMPG/MPG3378S	GaP	Green	Diffused Pastel Green	20/10	30/20	20	560	567	30	20	2.1	2.8	20	20	4	
EMBG/MBG3378S	GaP	Pure Green		10/5	15/10	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

