



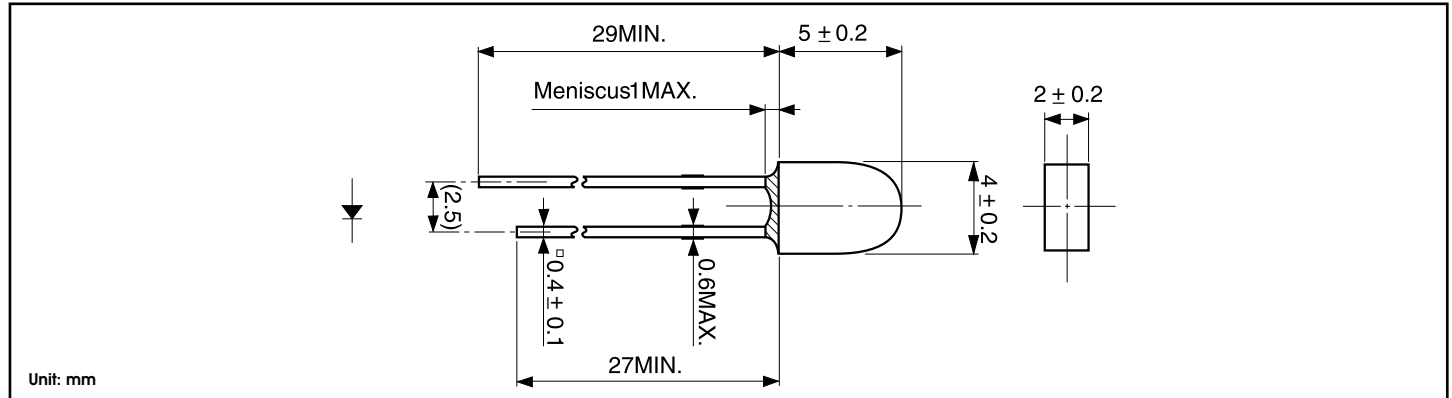
SINGLE COLOR LED

2 x 4mm Semi-Round Shape

4868K 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

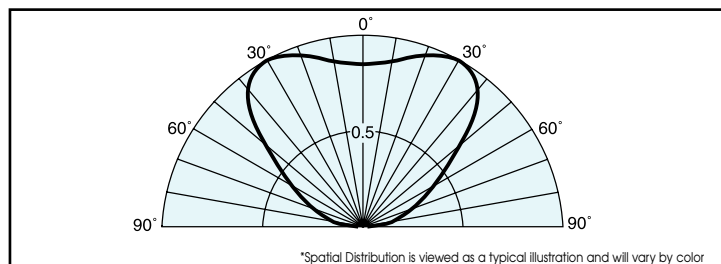
* Ta=25°C, I_{FM} applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

*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				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 1/2)	
				MIN.	TYP.	I _F	Peak P TYP.	Dominant d TYP.	Half TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R		
BR4868K	GaAlAs	Red	Pastel Clear Red	5	10	20	660	647	30	20	1.7	2.0	20	20	4	140°	
MPR4868K	GaP			1	1.5	10	700	635	100	10	2.1	2.8	10	20	4		
MVR4868K	GaAsP			4	8	20	630	624	30	20	2.0	2.8	20	20	4		
MAA4868K	GaAsP	Orange	Pastel Clear Orange	5	10	20	605	606	30	20	2.2	2.8	20	20	4		
MAY4868K	GaAsP	Yellow	Pastel Clear Yellow	5	10	20	580	590	30	20	2.2	2.8	20	20	4		
MPY4868K	GaP	Yellow Green		6	12	20	570	572	30	20	2.1	2.8	20	20	4		
MPG4868K	GaP	Green	Pastel Clear Green	4	8	20	560	567	30	20	2.1	2.8	20	20	4		
MBG4868K	GaP	Pure Green		2	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

