



SINGLE COLOR LED

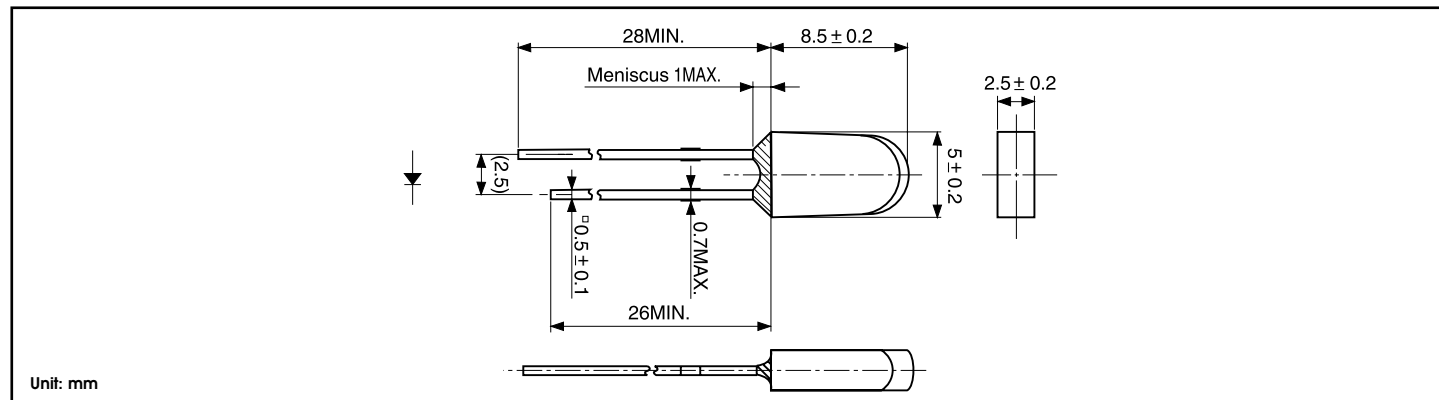
2.5 x 5mm Semi-Round Shape



5379K 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

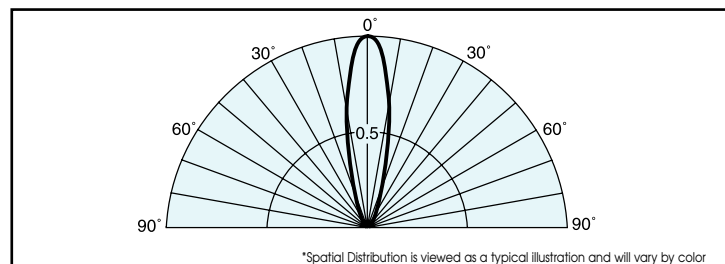
* Ta=25°C, I_{FM} applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

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 Dominant Half Width				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 1/2)
				MIN.	TYP.	I _F	Peak TYP.	Dominant TYP.	Half Width TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R	
BR5379K	GaAlAs	Red	Diffused Red	12	24	20	660	647	30	20	1.7	2.0	20	20	4	25°
MPR5379K	GaP			1.5	3	10	700	635	100	10	2.1	2.8	10	20	4	
MVR5379K	GaAsP			10	20	20	630	624	30	20	2.0	2.8	20	20	4	
MAA5379K	GaAsP	Orange	Diffused Orange	12	24	20	605	606	30	20	2.2	2.8	20	20	4	
MAY5379K	GaAsP	Yellow	Diffused Yellow	12	24	20	580	590	30	20	2.2	2.8	20	20	4	
MPY5379K	GaP	Yellow Green		20	40	20	570	572	30	20	2.1	2.8	20	20	4	
MPG5379K	GaP	Green	Diffused Green	12	24	20	560	567	30	20	2.1	2.8	20	20	4	
MBG5379K	GaP	Pure Green		3	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

