



SINGLE COLOR LED

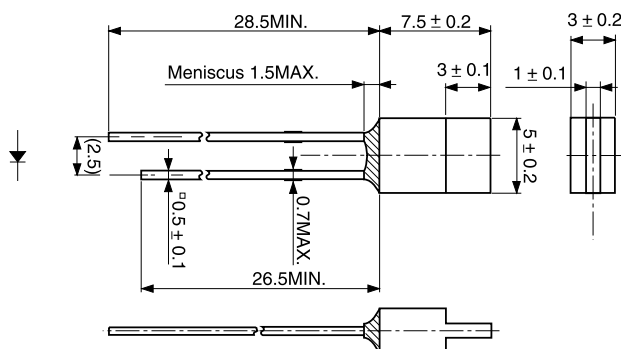
1 x 5mm Rectangular Shape



5352K 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
		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

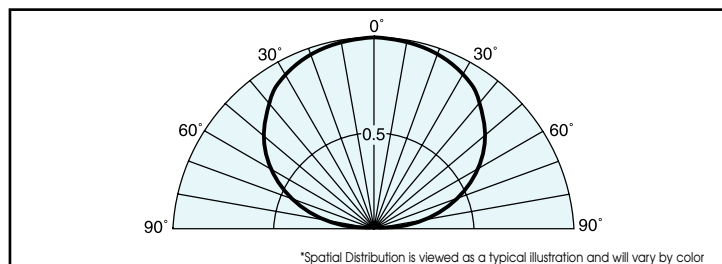
* Ta=25°C, I_{FM} applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

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 Half Width				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 1/2)
				MIN.	TYP.	I _F	Peak P TYP.	Dominant d TYP.	TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R	
BR5352K	GaAlAs	Red	Diffused Red	1.5	3	20	660	647	30	20	1.7	2.0	20	100	4	130°
MPR5352K	GaP			0.3	0.5	10	700	635	100	10	2.1	2.8	10	20	4	
MVR5352K	GaAsP			1.2	2.4	20	630	624	30	20	2.0	2.8	20	20	4	
MAA5352K	GaAsP	Orange	Diffused Orange	1.2	2.4	20	605	606	30	20	2.2	2.8	20	20	4	
MAY5352K	GaAsP	Yellow	Diffused Yellow	1.2	2.4	20	580	590	30	20	2.2	2.8	20	20	4	
MPY5352K	GaP	Yellow Green		2	4	20	570	572	30	20	2.1	2.8	20	20	4	
MPG5352K	GaP	Green	Diffused Green	1.5	3	20	560	567	30	20	2.1	2.8	20	20	4	
MBG5352K	GaP	Pure Green		0.5	1	20	555	558	30	20	2.1	2.8	20	20	4	
Units				mcd		mA	nm		mA		V		mA	μA	V	

Spatial Distribution (x)



Operation Current Derating Chart

