



SINGLE COLOR LED

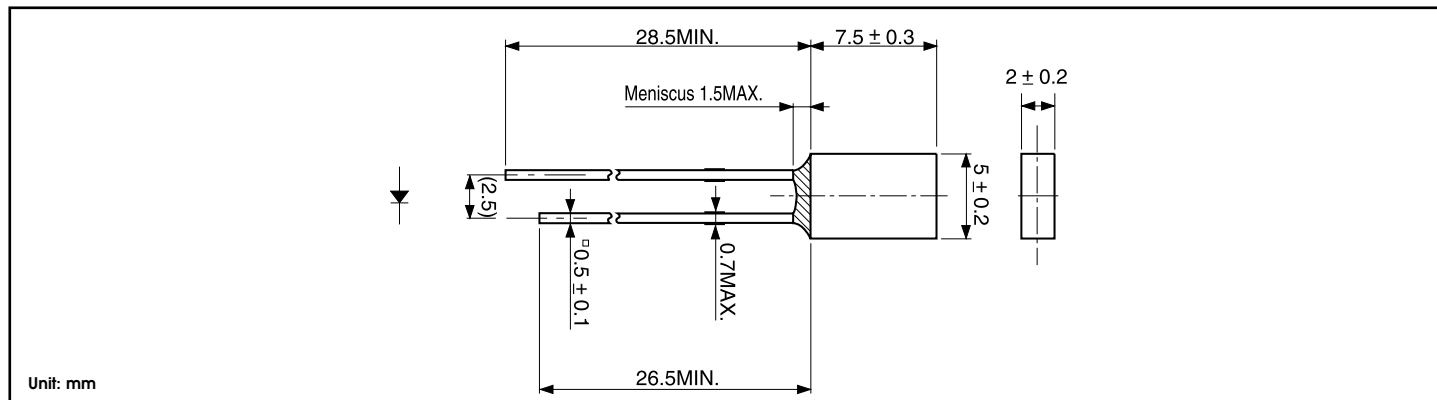
2 x 5mm Rectangular Shape



5351K 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	PR	VR	AA	AY	PY	PG	BG	
Power Dissipation	Pd	100	75	75	125	125	125	125	125	mW
Forward Current	I _F	50	30	30	50	50	50	50	50	mA
Peak Forward Current	I _{FM}	300	100	100	100	100	100	100	100	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	0.33			0.67				mA/°C

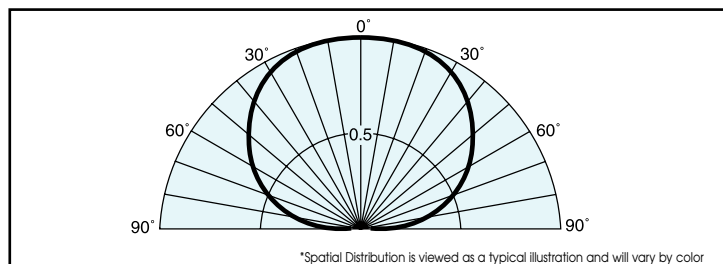
* Ta=25°C, I_{FM} applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

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	Dominant	TYP.	I _f	TYP.	MAX.	I _f	MAX.	V _R	
							P TYP.	d TYP.								
BR5351K	GaAlAs	Red	Diffused Red	1.5	3	20	660	647	30	20	1.7	2.0	20	100	4	150°
PR5351K	GaP			0.3	0.5	10	700	635	100	10	2.1	2.5	10	100	4	
VR5351K	GaAsP			1.2	2.4	20	630	624	30	20	2.0	2.5	20	100	4	
AA5351K	GaAsP	Orange	Diffused Orange	1.2	2.4	20	605	606	30	20	2.2	2.5	20	100	4	
AY5351K	GaAsP	Yellow	Diffused Yellow	1.2	2.4	20	580	590	30	20	2.2	2.5	20	100	4	
PY5351K	GaP	Yellow Green		2	4	20	570	572	30	20	2.1	2.5	20	100	4	
PG5351KY	GaP	Green	Diffused Green	1.5	3	20	560	567	30	20	2.1	2.5	20	100	4	
BG5351K	GaP	Pure Green		0.5	1	20	555	558	30	20	2.1	2.5	20	100	4	
Units				mcd		mA	nm		mA		V		mA	μA	V	Deg.

Spatial Distribution (x)



*Spatial Distribution is viewed as a typical illustration and will vary by color

Operation Current Derating Chart

