

# SINGLE COLOR LED

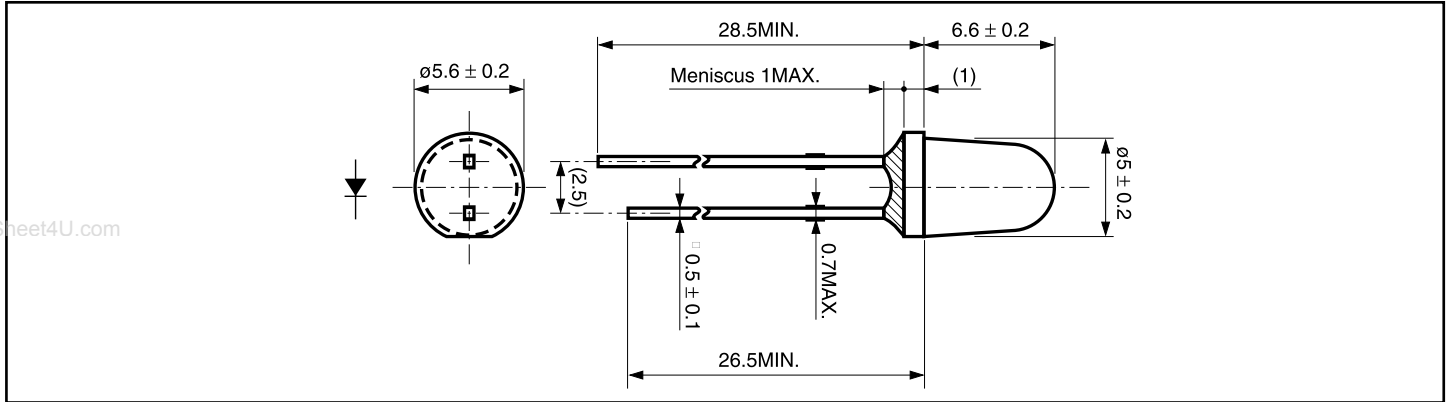
5mm Round Shape



## 5335S Series

STANDARD COLOR

### Outline Dimensions



### Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		EBR, BR	PR	EVR, VR	EAA, AA	EAY, AY	EPY, PY	EPG, PG	EBG, BG	
Power Dissipation	Pd	100	75	75	125	125	125	125	125	mW
Forward Current	If	50	30	30	50	50	50	50	50	mA
Peak Forward Current	IfM	300	100	100	100	100	100	100	100	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	0.33			0.67				mA/°C

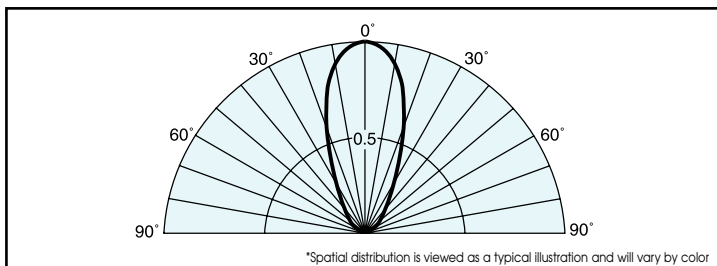
\* Ta=25°C, Im applies for the pulse width 1msec, and duty cycle 1/20  
The current derating for operation applies when the temperature is above 25°C

### 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 <sub>v</sub>			Wavelength Spectral Line Dominant Half Width				Forward Voltage V <sub>f</sub>			Reverse Current I <sub>r</sub>		Viewing Angle (2 1/2)	
				MIN.	TYP.	If	Peak P TYP.	d TYP.	TYP.	If	TYP.	MAX.	If	MAX.	VR		
							nm				V		mA		V		
EBR/BR5335S	GaAlAs	Red	Diffused Red	12/6	18/12	20	660	647	30	20	1.7	2.0	20	100	4	45°	
PR5335S	GaP			2.5	5	10	700	635	100	10	2.1	2.5	10	100	4		
EVR/VR5335S	GaAsP			12/6	18/12	20	630	624	30	20	2.0	2.5	20	100	4		
EAA/AA5335S	GaAsP	Orange	Diffused Orange	20/10	30/20	20	605	606	30	20	2.2	2.5	20	100	4		
EAY/AY5335S	GaAsP	Yellow	Diffused Yellow	20/10	30/20	20	580	590	30	20	2.2	2.5	20	100	4		
EPY/PY5335S	GaP	Yellow Green	Diffused Yellow	30/15	45/30	20	570	572	30	20	2.1	2.5	20	100	4		
EPG/PG5335S	GaP	Green	Diffused Green	24/12	36/24	20	560	567	30	20	2.1	2.5	20	100	4		
EBG/BG5335S	GaP	Pure Green	Diffused Green	8/4	12/8	20	555	558	30	20	2.1	2.5	20	100	4		
Units				mcd	mA		nm				V		mA		μA		V

### Spatial Distribution (x)



### Operation Current Derating Chart

