

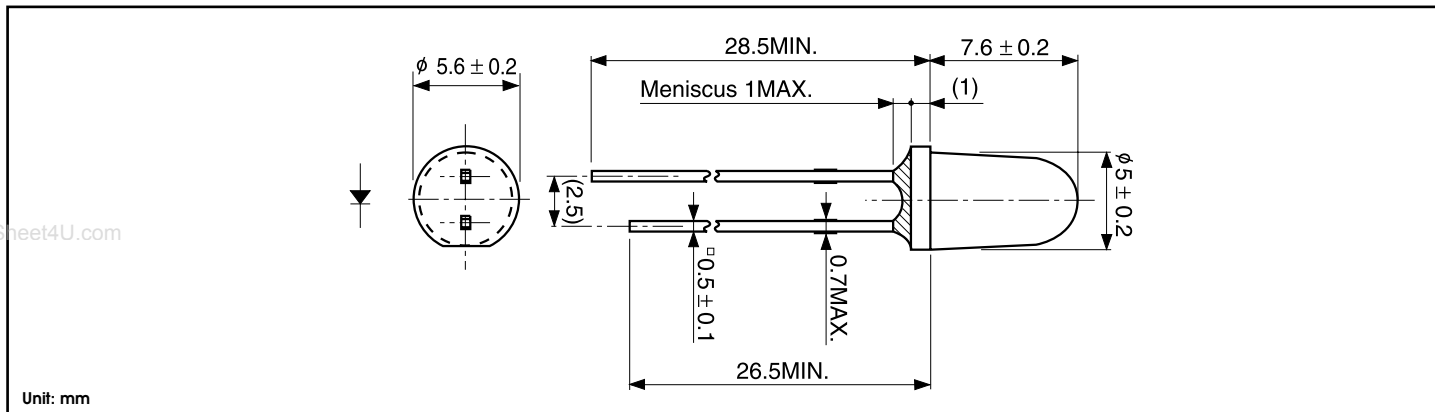
SINGLE COLOR LED

5mm Round Shape

5304S 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

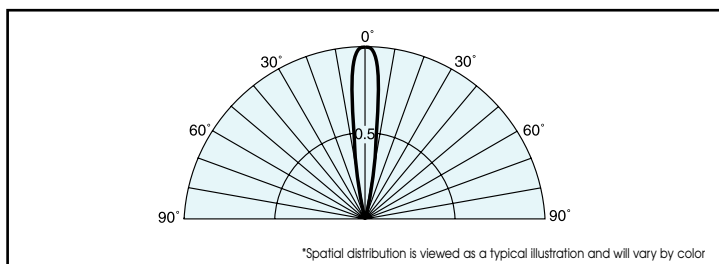
* Ta=25°C, I_M applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

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 TYP.	Dominant TYP.	Half Width TYP.	I _f	TYP.	MAX.	I _f	MAX.	V _r	
EBR/BR5304S	GaAlAs	Red	Water Clear	80/40	160/80	20	660	647	30	20	1.7	2.0	20	100	4	15°
PR5304S	GaP			6	12	10	700	635	100	10	2.1	2.5	10	100	4	
EVR/VR5304S	GaAsP			60/30	90/60	20	630	624	30	20	2.0	2.5	20	100	4	
EAA/AA5304S	GaAsP	Orange		60/30	90/60	20	605	606	30	20	2.2	2.5	20	100	4	
EAY/AY5304S	GaAsP	Yellow		60/30	90/60	20	580	590	30	20	2.2	2.5	20	100	4	
EPY/PY5304S	GaP	Yellow Green		80/40	160/80	20	570	572	30	20	2.1	2.5	20	100	4	
EPG/PG5304S	GaP	Green		60/30	90/60	20	560	567	30	20	2.1	2.5	20	100	4	
EBG/BG5304S	GaP	Pure Green		50/25	80/50	20	555	558	30	20	2.1	2.5	20	100	4	
Units				mcd	mA		nm	nm	nm	nm	V	V	mA	μA	V	

Spatial Distribution (x)



Operation Current Derating Chart

