



SINGLE COLOR LED

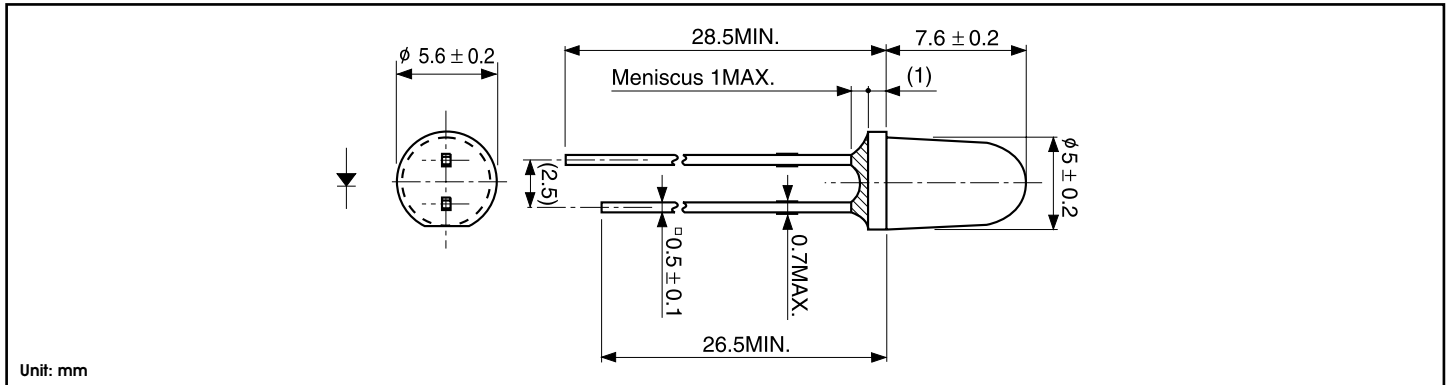
5mm Round Shape



D_5304X / F_5364X Series

HIGH BRIGHTNESS COLOR

Outline Dimensions



Unit: mm

Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Blue	Blue Green	Green	Yellow		Orange		Red		Units
		DB	DC	DG	EFY	FY	EFA	FA	EFR	FR	
Power Dissipation	Pd	100	100	100	125	125	125	125	125	125	mW
Forward Current	I _F	25	25	25	50	50	50	50	50	50	mA
Peak Forward Current	I _{FM}	60	60	60	200	200	200	200	200	200	mA
Reverse Voltage	V _R	5	5	5	5	5	5	5	5	5	V
Operating Temperature	Topr	-40 to +85									°C
Storage Temperature	Tstg	-40 to +100									°C
Derating (DC)*	I _F	0.33			0.67					mA/°C	

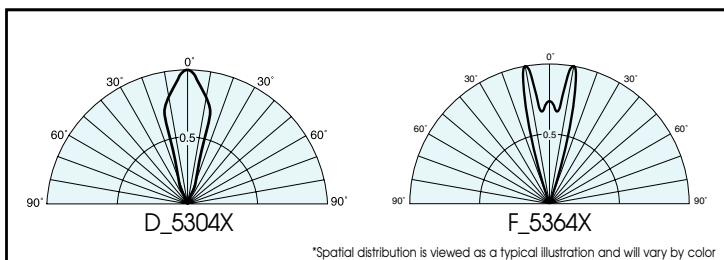
* Ta=25°C, I_{FM} applies for the pulse width = 1msec, and duty cycle = 1/20
The current derating for operation applies when the temperature is above 25°C

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				Forward Voltage V _f			Reverse Current I _R		Viewing Angle (2 1/2)	
				MIN.	TYP.	I _F	Peak P TYP.	Dominant d TYP.	Half Width TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R		
																	nm
DB5304X	InGaN/SiC	Blue	Water Clear	150	300	20	467	470	26	20	3.5	4.0	20	100	5	25°	
DC5304X	InGaN/SiC	Blue Green		500	1,000	20	502	505	30	20	3.5	4.0	20	100	5		
DG5304X	InGaN/SiC	Green		500	1,000	20	522	525	30	20	3.5	4.0	20	100	5		
EFY5364X	AlInGaP	Yellow	Clear Pastel Yellow	900	1,280	20	592	590	15	20	1.9	2.4	20	100	5	35°	
FY5364X				320	640	20											
EFA5364X	AlInGaP	Orange	Clear Pastel Orange	1,100	1,560	20	609	605	15	20	1.9	2.4	20	100	5		
FA5364X				390	780	20											
EFR5364X	AlInGaP	Red	Clear Pastel Red	820	1,160	20	635	626	15	20	1.9	2.4	20	100	5		
FR5364X				290	580	20											
Units				mcd		mA	nm			nm	V		mA		μA	V	Deg.

Spatial Distribution (x)



Operation Current Derating Chart

