



# SINGLE COLOR LED

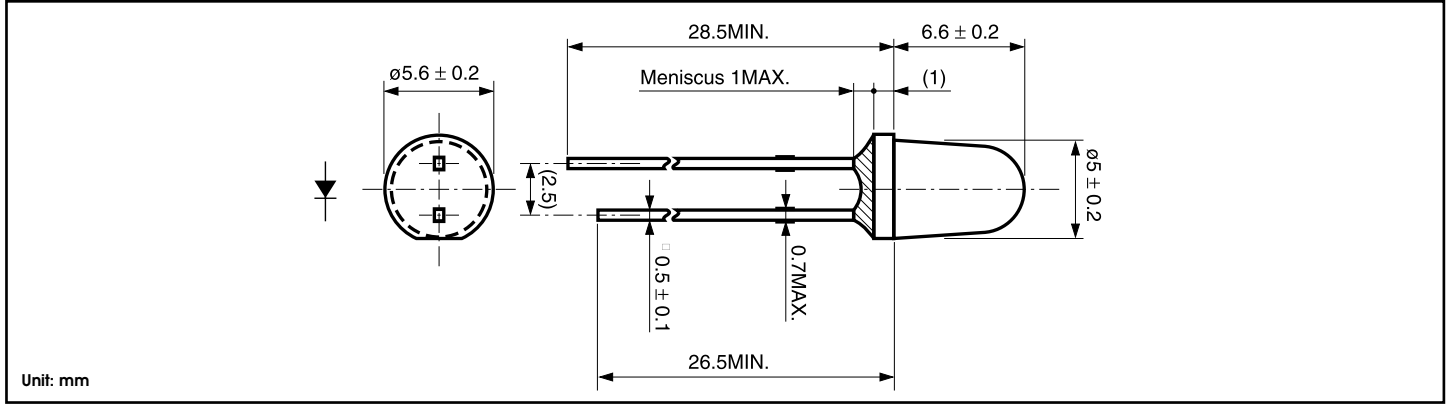
5mm Round Shape



## D\_5305S / F\_5365S Series

HIGH BRIGHTNESS COLOR

### Outline Dimensions



### 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	IF	25	25	25	50	50	50	50	50	50	mA
Peak Forward Current	IFM	60	60	60	200	200	200	200	200	200	mA
Reverse Voltage	VR	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)*	IF	0.33			0.67						mA/°C

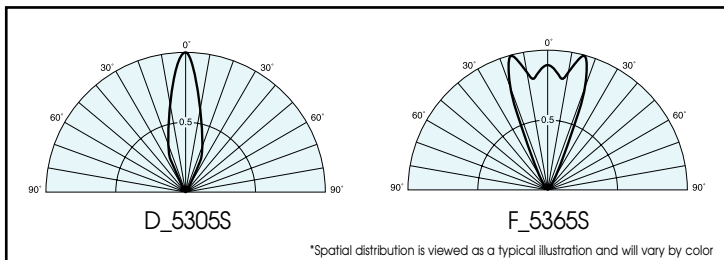
\* Ta=25°C, I<sub>FM</sub> applies for the pulse width 1 msec. and duty cycle 1/20  
The current derating for operation applies when the temperature is above 25°C

### 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 / 2)
				MIN.	TYP.	I <sub>f</sub>	Peak P TYP.	Dominant d TYP.	Half Width TYP.	I <sub>f</sub>	TYP.	MAX.	I <sub>f</sub>	MAX.	V <sub>r</sub>	
DB5305S	InGaN/SiC	Blue	Water Clear	120	240	20	467	470	26	20	3.5	4.0	20	100	5	30°
DC5305S	InGaN/SiC	Blue Green		400	800	20	502	505	30	20	3.5	4.0	20	100	5	
DG5305S	InGaN/SiC	Green		400	800	20	522	525	30	20	3.5	4.0	20	100	5	
EFY5365S	AllnGaP	Yellow	Clear Pastel Yellow	700	1,000	20	592	590	15	20	1.9	2.4	20	100	5	45°
FY5365S				250	500	20										
EFA5365S	AllnGaP	Orange	Clear Pastel Orange	820	1,160	20	609	605	15	20	1.9	2.4	20	100	5	
FA5365S				290	580	20										
EFR5365S	AllnGaP	Red	Clear Pastel Red	620	880	20	635	626	15	20	1.9	2.4	20	100	5	
FR5365S				220	440	20										
Units				mcd		mA	nm			mA	V	mA	µA	V	Deg.	

### Spatial Distribution (x)



### Operation Current Derating Chart

