



# SINGLE COLOR LED

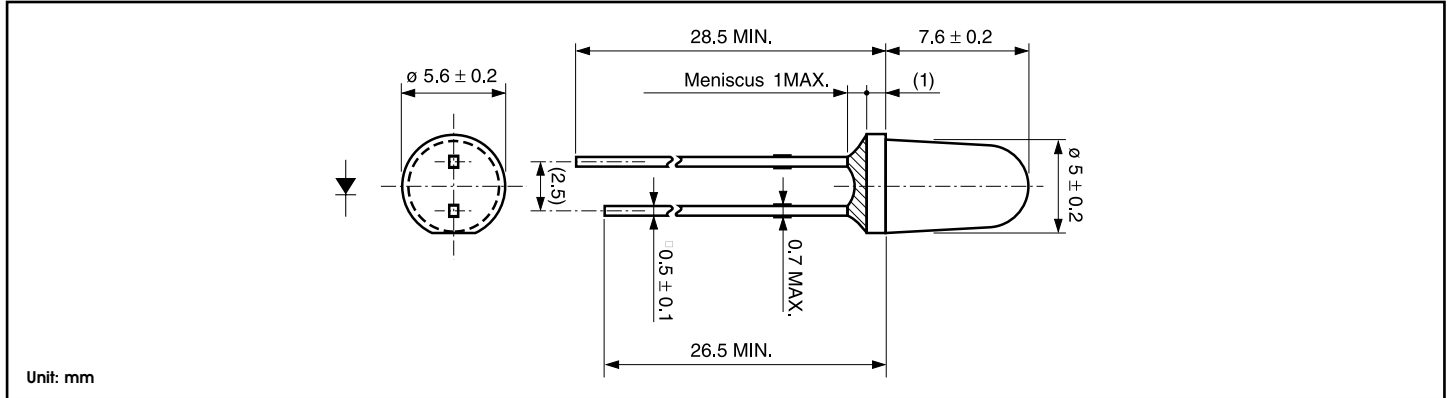
5mm Round Shape



## D\_5306X / F\_5366X 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	I <sub>F</sub>	25	25	25	50	50	50	50	50	50	mA
Peak Forward Current	I <sub>FM</sub>	60	60	60	200	200	200	200	200	200	mA
Reverse Voltage	V <sub>R</sub>	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 <sub>F</sub>	0.33			0.67						mA/°C

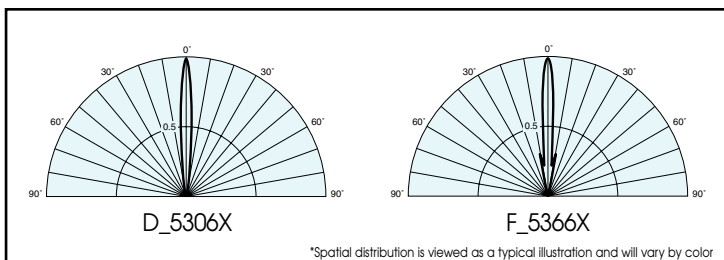
\* Ta=25°C, I<sub>FM</sub> applies for the pulse width 1 msec. and duty cycle 1/20  
The current derating for operation applies when the temperature is above 25°C

### 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>	
DB5306X	InGaN/SiC	Blue	Water Clear	500	1,000	20	467	470	26	20	3.5	4.0	20	100	5	10°
DC5306X	InGaN/SiC	Blue Green		1,200	2,400	20	502	505	30	20	3.5	4.0	20	100	5	
DG5306X	InGaN/SiC	Green		1,200	2,400	20	522	525	30	20	3.5	4.0	20	100	5	
EFY5366X	AlInGaP	Yellow	Clear Pastel Yellow	2,800	4,000	20	592	590	15	20	1.9	2.4	20	100	5	
FY5366X				1,000	2,000	20										
EFA5366X	AlInGaP	Orange	Clear Pastel Orange	3,500	5,000	20	609	605	15	20	1.9	2.4	20	100	5	
FA5366X				1,250	2,500	20										
EFR5366X	AlInGaP	Red	Clear Pastel Red	2,520	3,600	20	635	626	15	20	1.9	2.4	20	100	5	
FR5366X				900	1,800	20										
Units				mcd		mA	nm			mA	V	mA	µA	V	Deg.	

### Spatial Distribution (x)



### Operation Current Derating Chart

