

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SINGLE COLOR LED

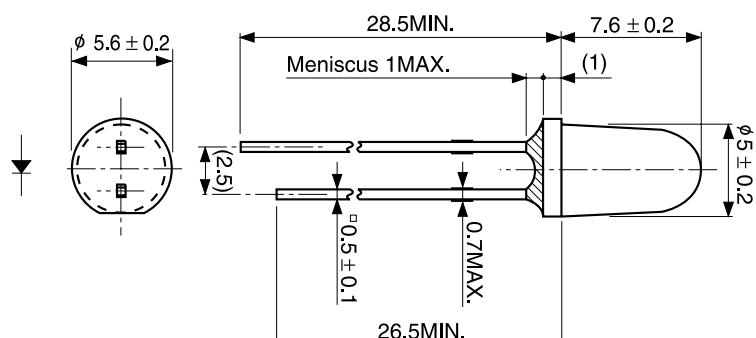
5mm Round Shape



D 5304X / F 5364X Series

HIGH BRIGHTNESS COLOR

Outline Dimensions



Unit: mm

Absolute Maximum Ratings

(Ta=25°C)

Item		Blue	Blue Green	Green	Yellow		Orange		Red		Units
	Symbol	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	To _{pr}	-40 to +85									°C
Storage Temperature	T _{stg}	-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

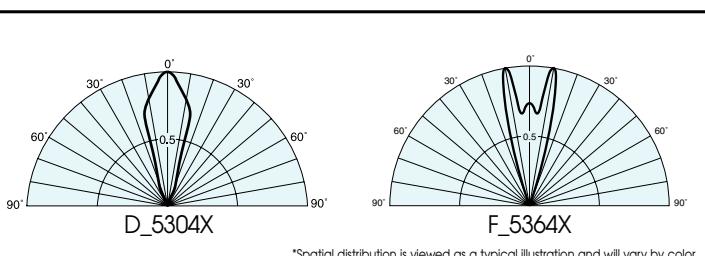
Electro-Optical Characteristics

*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				Forward Voltage V_F			Reverse Current I_R	Viewing Angle (2 1/2)		
				Peak I_p		Dominant λ_d	Spectral Line Half Width		TYP.		MAX.		TYP.		MAX.		
				MIN.	TYP.		TYP.	IF	TYP.	IF	TYP.	IF	TYP.	IF	MAX.		
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			mA	V		mA	μ A	V	Deg.	

Spatial Distribution (x)



*Spatial distribution is viewed as a typical illustration and will vary by colon.

Operation Current Deraing Chart

