



Stanley's blue LEDs have a SiC(Silicon Carbide) based structure and are encapsulated in a water clear epoxy resin. Available packages include 5mm and 3mm round.

▼CHARACTERISTICS BY COLOR

Ta=25°C

Type No.	Material	Emitted Color	Absolute Maximum Ratings							Electro-Optical Characteristics								
			Power Dissipation	Forward Current	Peak Forward Current	Reverse Voltage	Operating Temp.	Storage Temp.	*1 Derating	Forward Voltage V _F			Reverse Current I _R		Capacitance	Wavelength		
			P _d	I _F	I _{FM}	V _R	T _{opr}	T _{stg}	ΔI _F	TYP.	MAX.	I _F	MAX.	V _R	C _o	Peak λ _p TYP.	Spectral Line Half Width Δλ TYP.	I _F
CB	SiC	Blue	140	40	100	4	-20~+80	-30~+100	0.53	3.0	3.5	20	100	4	50	470	70	20
Units			mW	mA	mA	V	°C	°C	mA/°C	V			μA	V	pF	nm		

● I_{FM} Condition: t_w ≤ 1 msec. Duty ≤ 1/20

⊛ *1 The current derating for operation applies when the temperature is above 25 °C.

▼BLUE LED

Ta=25°C

Size	Shape	Type No.	Emitted Color	Lens	Peak Wavelength λ _p (nm)	Luminous Intensity I _v (mcd)			Spatial Distribution	fig.
						MIN.	TYP.	I _F (mA)		
φ5		CB5006X	Blue	Water Clear Clear	470	5	10	20		1
φ3		CB3308S	Blue	Water Clear Clear	470	2	4	20		2

▼PACKAGE DIMENSIONS Unit : mm

fig. 1

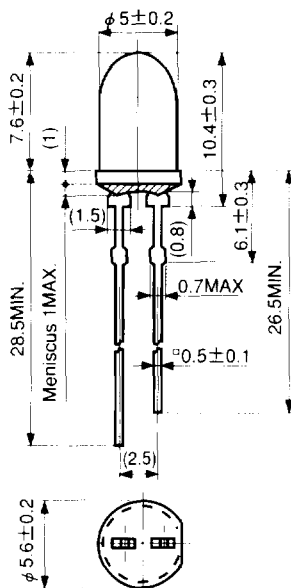


fig. 2

