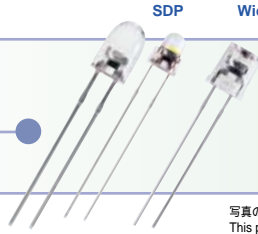


単色/超広角単色 LED ランプ

Monochrome / Wide View Angle Monochrome LED Lamp



SDP Series



写真のLEDランプは、ストッパー無タイプです。
This picture shows LED lamps without stopper.

特長

耐紫外線樹脂
静電気耐圧 ±3kV (Min.)
超広角: 5mm逆円錐
広配光角

用途

インジケータ、照光スイッチ、懐中電灯等の簡易光源、
ディスプレイ光源、アミューズメント機器の装飾
超広角: イルミネーション、装飾ランプ、
クリスマスツリー

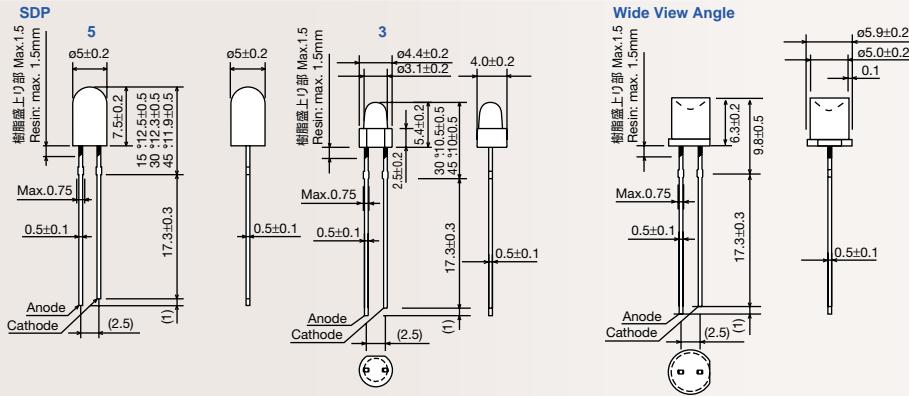
Features

UV resistant resin
ESD tolerance: ±3 kV (Min.)
Wide View Angle: 5mm in diameter, reverse conic
Wide view angle

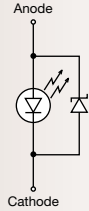
Applications

Indicators, Illuminated switches, Electric torch light sources, Display light sources, Decorative lamps for amusement machines
Wide View Angle: Illuminations, Decorative lamps, Christmas tree

外形寸法図 Package Dimensions



回路図 Circuit Diagram



絶対最大定格 (Ta=25) Absolute Maximum Ratings

単位 Unit : mm

許容損失 (mW) Power Dissipation	順方向電流 (mA) DC Forward Current	パルス順方向電流 (mA) Peak Pulse Forward Current	逆方向電流 (mA) Reverse Current	動作温度() Operating Temperature Range	保存温度() Storage Temperature Range
120	30	100	120	-35 ~ +85	-40 ~ +100

: Duty 1/10 Pulse Width 10ms

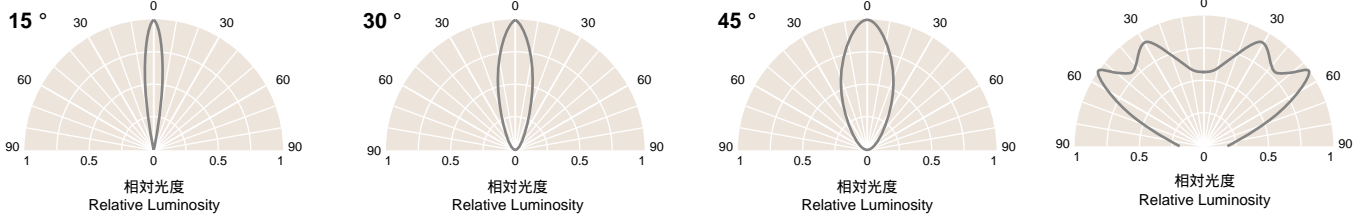
電氣的・光学的特性 (Ta=25) Electro-Optical Characteristics

発光色 Emitting Color	品番 Part No.	指向角 Typical Viewing Angle 2 / 1/2	基準電流 (mA) Standard Current	光度 (mcd) Luminosity		順方向電圧 (V) Forward Voltage		逆方向電流 (mA) Reverse Current Max. (Vr=0.8V)	ドミナント波長 (nm) Dom. Wavelength		
				Typ.	Typ.	Max.	Max.		Min.	Typ.	Max.
青 Blue	SDPB50A0C****	15°	20	3000	3.4	3.8	120	465	472	480	
	SDPB50C0C****	30°		1800							
	SDPB50D0C****	45°		900							
	SDPB31C0C0***	30°		1600							
	SDPB31D0C0***	45°		750							
	SDPB52J0C0*** 1	140°		53 (Min.)							
青緑 Blue-green	SDPC50A0C****	15°		6000	3.3	510					
	SDPC50C0C****	30°		3600							
	SDPC50D0C****	45°		1800							
緑 Green	SDPG50A0C****	15°		9000	3.3	535					
	SDPG50C0C****	30°		4500							
	SDPG50D0C****	45°		2700							
	SDPG31C0C0***	30°	3750								
	SDPG31D0C0***	45°	2500								
	SDPG52J0C0*** 1	140°	80 (Min.)								

1: 超広角ランプ Wide View Angle

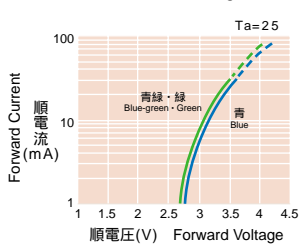
指向代表特性

Directive Characteristics



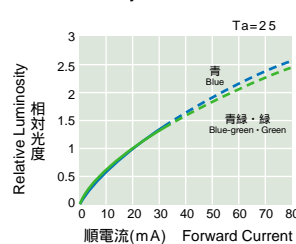
順電流-順電圧特性

Forward Current vs. Forward Voltage



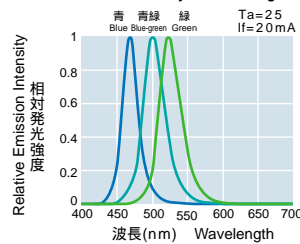
相対光度-順電流特性

Relative Luminosity vs. Forward Current



発光スペクトル

Relative Emission Intensity vs. Wavelength



順電流-周囲温度特性

Forward Current vs. Ambient Temperature

