

High Brightness Type $\phi 3.1$ Circular Type LED Lamps (LEDs with Pressure Release Structure)

SLR343 Series Pressure Release

Shape	Emitting Surface Dimension (mm)	Blue			Green		
		InGaN on SiC					
		468nm			523nm	518nm	
Circular Type	ϕ 3.1						
		SLR343BBT	SLR343BCT	SLR343BDT	SLR343EBT	SLR343ECT	SLR343EDT

Note) "-" will be taken out for emitting color B/E series.

Absolute Maximum Ratings (Ta=25°C)

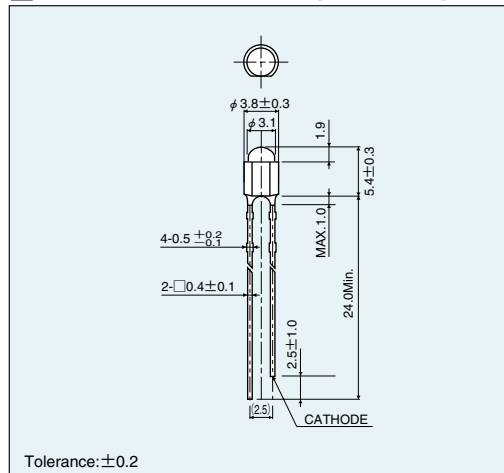
Part No.	Emitting color	Power dissipation Pd (mW)	Forward current IF (mA)	Peak forward current * IFP (mA)	Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)
SLR343BBT	Blue	120	30	100	5	-20 to +80	-30 to +100
SLR343BCT							
SLR343BDT							
SLR343EBT	Green	120	30	100	5	-20 to +80	-30 to +100
SLR343ECT							
SLR343EDT							

* IFP measured under duty $\leq 1/10$, 1kHz

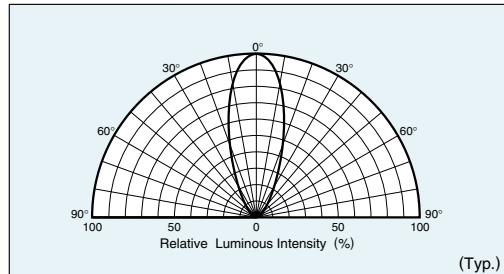
Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage V _F		Reverse current I _R		Light wavelength Peak λ _p Half-wave Δλ			Brightness I _v		
		Typ. (V)	I _F (mA)	Max. (μA)	V _R (V)	Typ. (nm)	Typ. (nm)	I _F (mA)	Min.	Typ.	I _F
									(mcd)	(mcd)	(mA)
SLR343BBT	Transparent	3.5	20	100	5	468	26	20	90	350	20
SLR343BCT									200	600	
SLR343BDT									300	800	
SLR343EBT	Clear	3.8				523	36		420	1500	
SLR343ECT						518	35		610	2000	
SLR343EDT									900	3500	

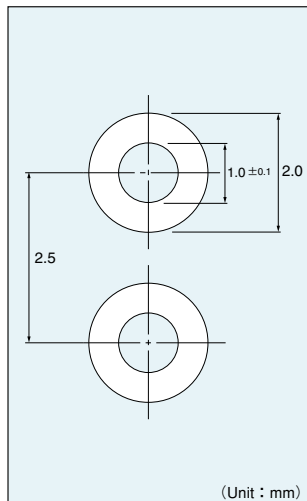
External Dimensions (Unit : mm)



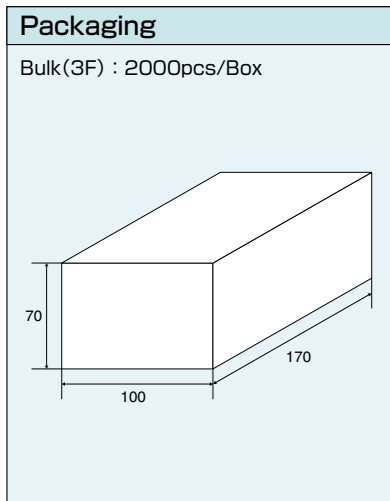
Directivity



Recommended Pad Layout

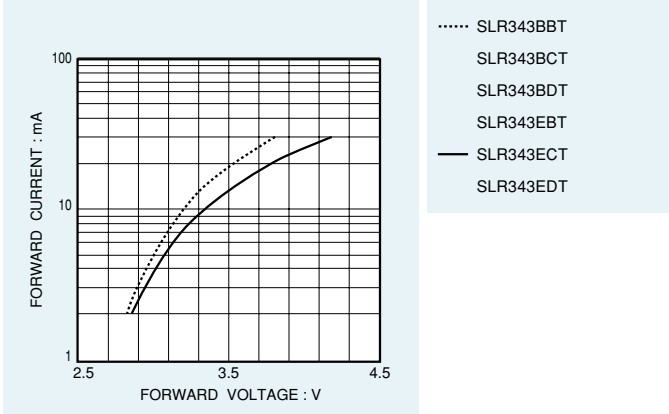


Packaging Specifications (Unit : mm)

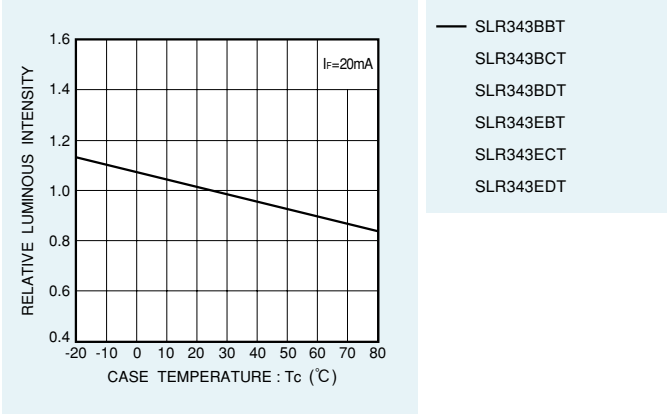


Electrical Characteristic Curves

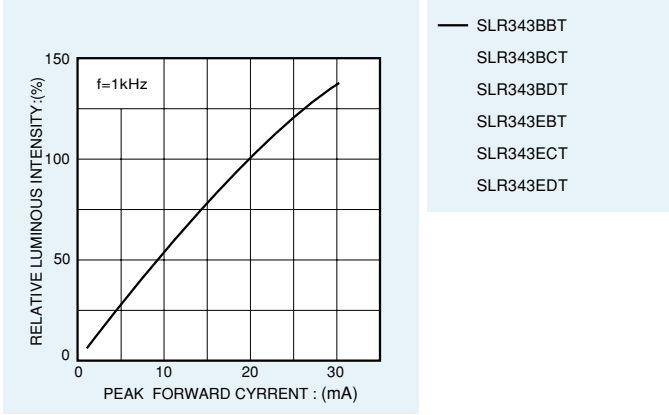
Forward Current - Forward Voltage



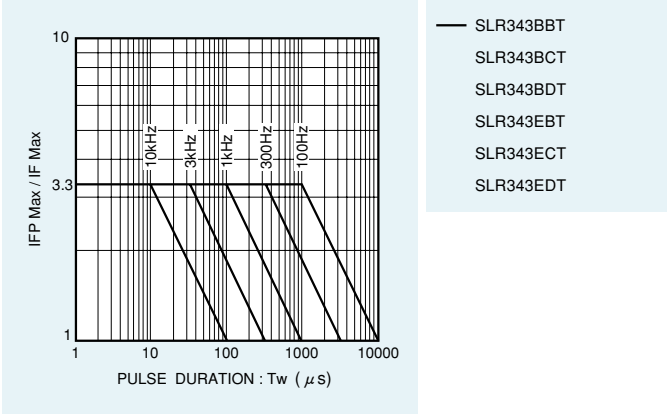
Relative Luminous Intensity - Case Temperature



Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating

