

High Brightness Type ϕ 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℃)

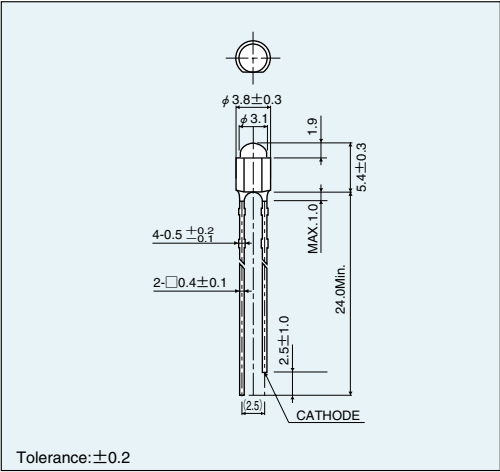
Part No.	Emitting color	Power dissipation P _D (mW)	Forward current I _F (mA)	Peak forward current * I _{FP} (mA)	Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Stotage temperature T _{stg} (°C)
SLR343BBT	Blue	120	30	100	5	-20 to +80	-30 to +100
SLR343BCT							
SLR343BDT							
SLR343EBT	Green						
SLR343ECT							
SLR343EDT							

* I_{FP} measured under duty ≤1/ 10,1kHz

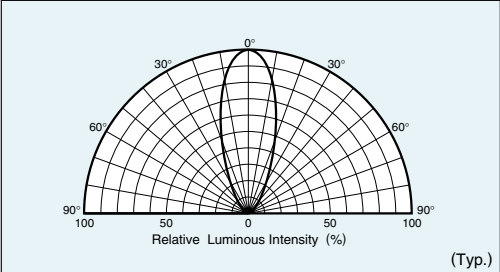
Electrical Optical Characteristics (Ta=25℃)

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. (mcd)	Typ. (mcd)	I _F (mA)
SLR343BBT	Transparent	3.5	20	100	5	468	26	20	90	350	20
SLR343BCT									200	600	
SLR343BDT									300	800	
SLR343EBT	Clear					523	36		420	1500	
SLR343ECT									610	2000	
SLR343EDT									900	3500	

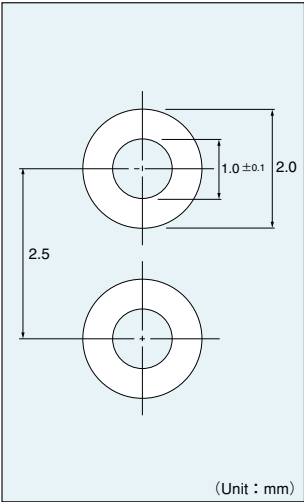
External Dimensions (Unit : mm)



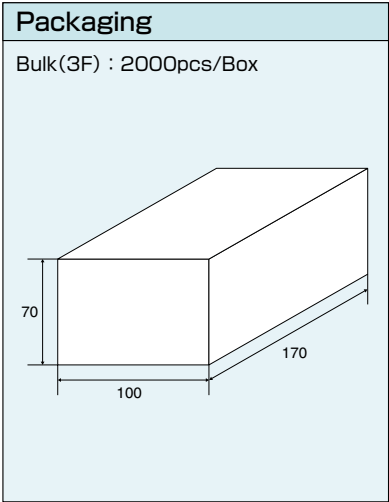
Directivity



Recommended Pad Layout

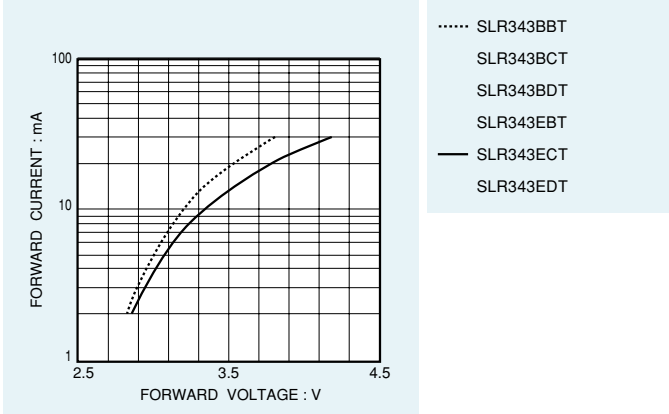


Packaging Specifications (Unit : mm)

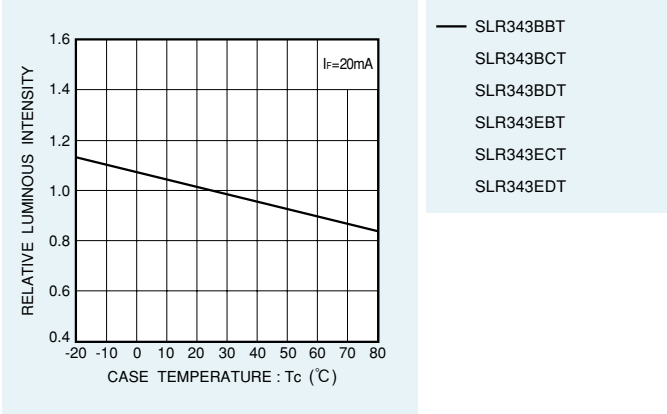


Electrical Characteristic Curves

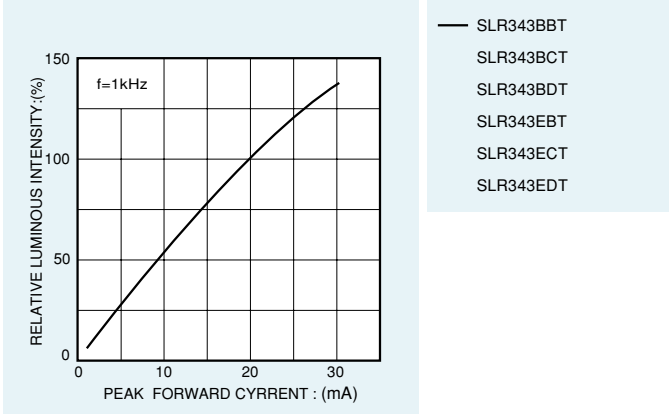
Forward Current - Forward Voltage



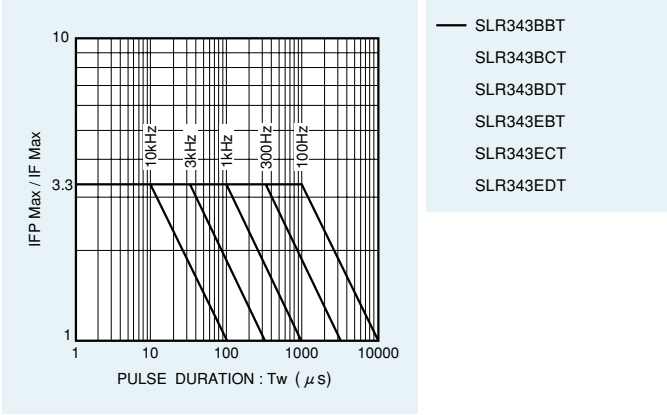
Relative Luminous Intensity - Case Temperature



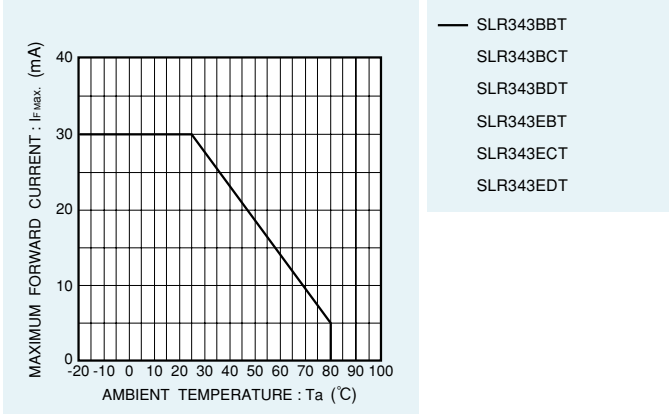
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



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