

φ3.1(T-1) Circular Type High Brightness Type <Viewing Angle 2θ1/2 : 40°>

SLR343 **** Series **Pressure Release**

Emitting Color	White
Material	InGaN on SiC
Emitting Surface Dimension(mm)	
Part No.	SLR343WBD2PT

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

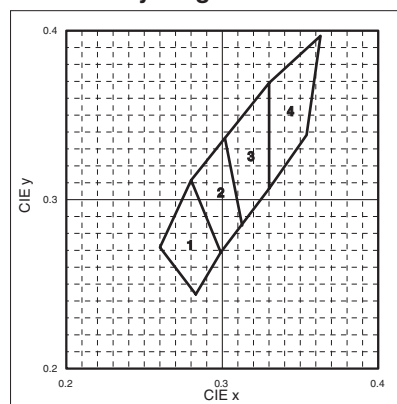
■ Absolute Maximum Ratings (Ta=25°C)

Part No.	Emitting color	Power dissipation Pb (mW)	Forward current IF (mA)	Peak forward current I _{FP} (mA)	Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)
SLR343WBD2PT	White	126	30	—	5	-20 to +80	-30 to +100

■ Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin	Forward voltage VF		Reverse current IR		Chromaticity coordinates			Brightness Iv		
		Typ. (V)	IF (mA)	Max. (μA)	VR (V)	x	y	IF (mA)	Min. (mcd)	Typ. (mcd)	IF (mA)
SLR343WBD2PT	Phosphor included	3.2	20	100	5	0.31	0.31	20	1500	3300	20

■ Chromaticity Diagram

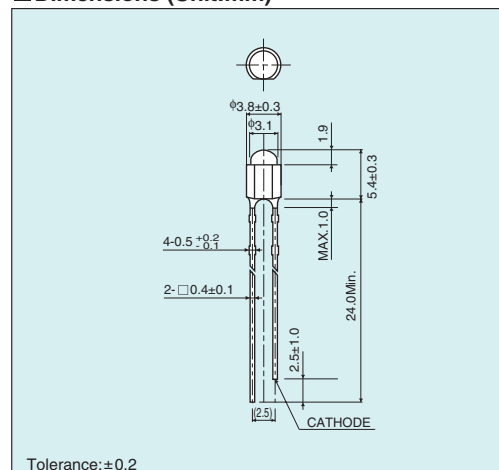


Chromaticity Coordinates (Ta=25°C, If=20mA, 30ms measurement)

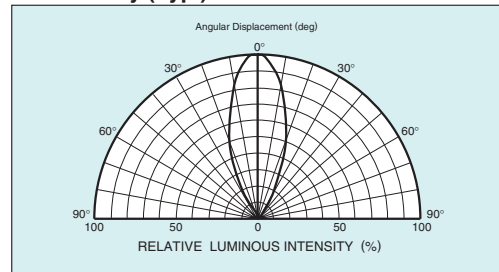
1		2		3		4	
x	y	x	y	x	y	x	y
0.283	0.244	0.280	0.312	0.302	0.338	0.330	0.307
0.299	0.269	0.302	0.338	0.330	0.370	0.354	0.339
0.280	0.312	0.313	0.286	0.330	0.307	0.363	0.398
0.260	0.272	0.299	0.269	0.313	0.286	0.330	0.370

Measurement tolerance: ±0.02

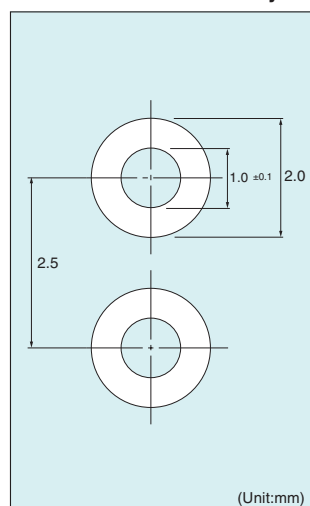
■ Dimensions (Unit:mm)



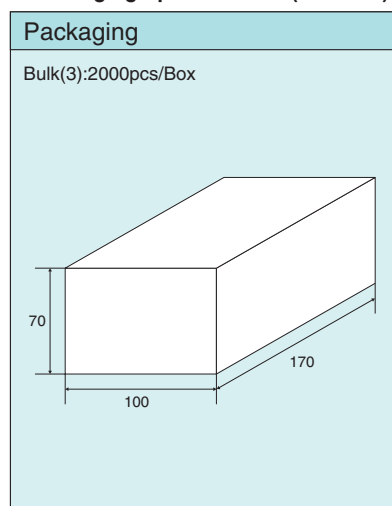
■ Directivity (Typ.)



■ Recommended Pad Layout



■ Packaging Specifications (Unit:mm)

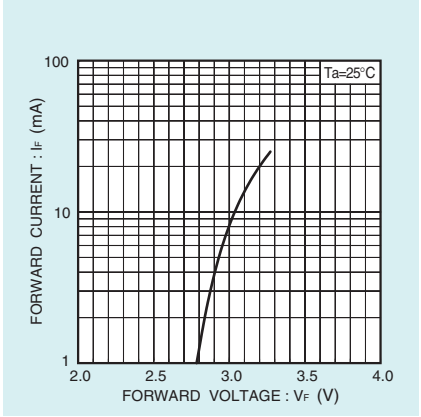


2009.09 Rev.A

Note) The design and specifications are subject to change without prior notice. Before ordering or using, please check the latest technical specifications.

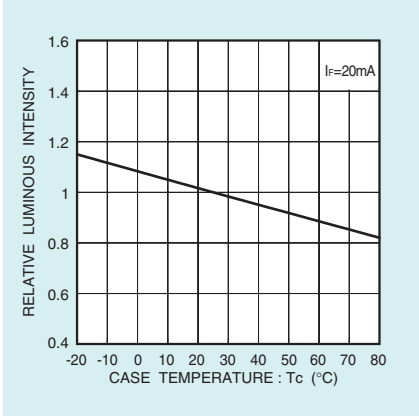
■Electrical Characteristic Curves

Forward Current - Forward Voltage



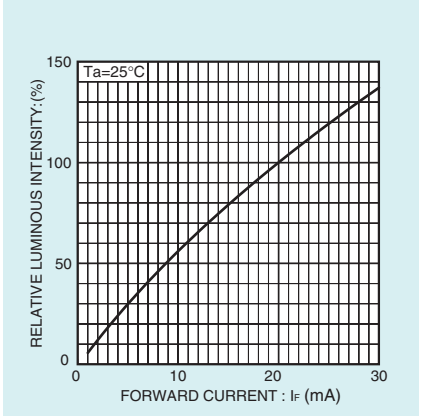
— SLR343WBD2PT

Relative Luminous Intensity - Case Temperature



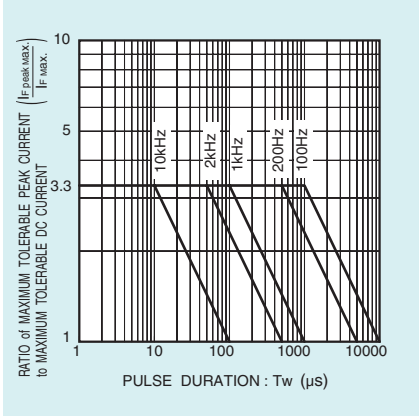
— SLR343WBD2PT

Relative Luminous Intensity - Forward Current



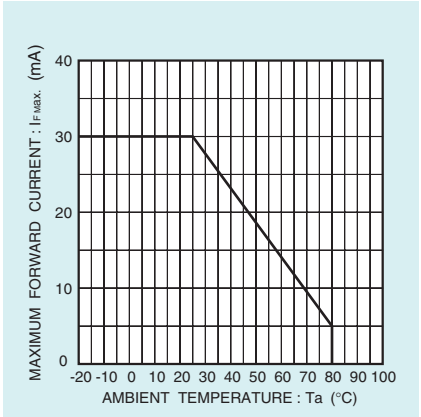
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Ratio of Maximum Tolerable Peak Current - Pulse Duration



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Derating



— SLR343WBD2PT

Notes

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