



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

## SLR343 Series

**Pressure Release**

Emitting Color	Blue				Green	
Material	InGaN on SiC					
Emitting Surface Dimension(mm)						
Part No.	<b>SLR343BC4T</b>	<b>SLR343BC7T</b>	<b>SLR343BCT</b>	<b>SLR343BD2T</b>	<b>SLR343EC4T</b>	<b>SLR343ECT</b>

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

### Absolute Maximum Ratings (Ta=25°C)

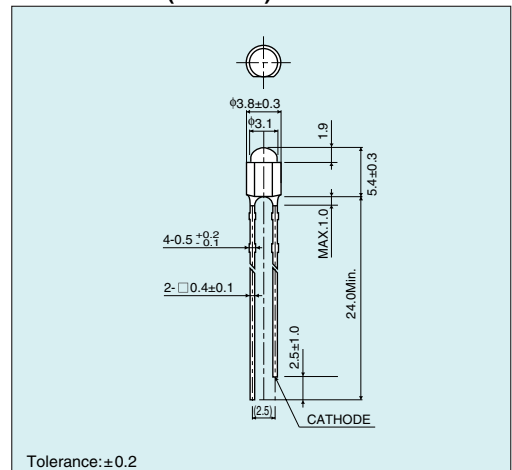
Part No.	Emitting color	Power dissipation Pb (mW)	Forward current IF (mA)	Peak forward current * IFP (mA)	Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)
SLR343BC4T	Blue	120	30	100	5	-20 to +80	-30 to +100
SLR343BC7T		105	25				
SLR343BCT		120	30				
SLR343BD2T		126					
SLR343EC4T	Green	120	30	100	5	-20 to +80	-30 to +100
SLR343ECT							

\*:Duty ≤1/10, 1kHz

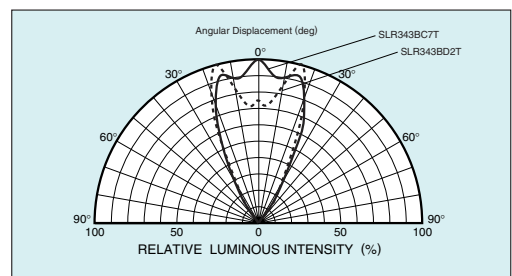
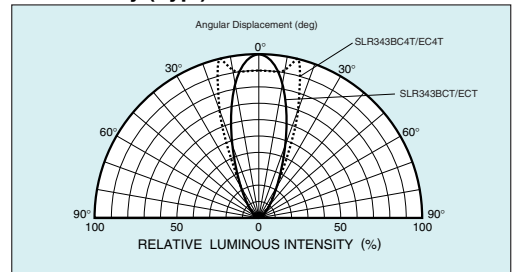
### Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage VF (V)		Reverse current IR (μA)		Light wavelength		Brightness Iv			
		Typ.	IF (mA)	Max.	VR (V)	Peak λp (nm)	Half-wave Δλ (nm)	IF (mA)	Min. (mcd)	Typ. (mcd)	IF (mA)
SLR343BC4T	Transparent Colorless	3.2	20	100	5	468	26	20	200	470	20
SLR343BC7T									220	600	
SLR343BCT		3.3	20	100	5	468	26	20	200	600	
SLR343BD2T		3.2							470	1000	
SLR343EC4T	Colorless	3.3	20	100	5	518	35	20	420	1500	
SLR343ECT									610	2000	

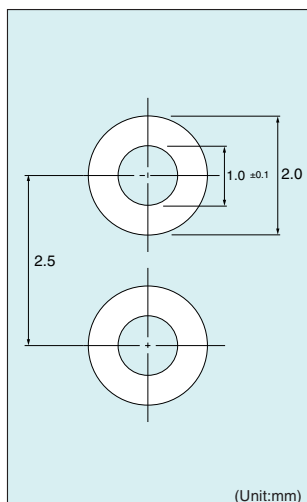
### Dimensions (Unit:mm)



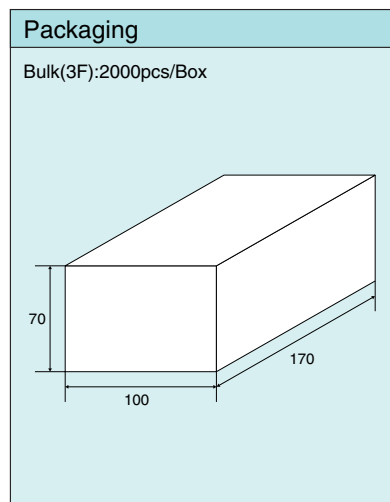
### Directivity (Typ.)



### Recommended Pad Layout



### Packaging Specifications (Unit:mm)

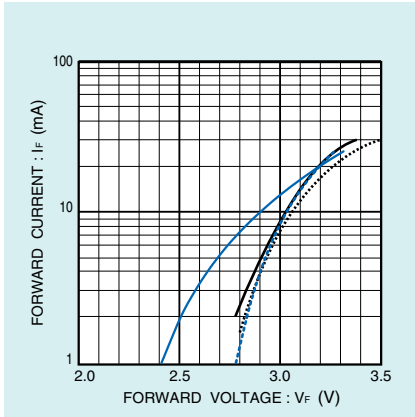


\* Taping requirement is subject to consultation.

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

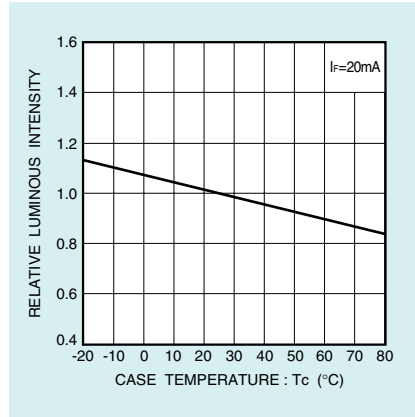
## Electrical Characteristic Curves

### Forward Current - Forward Voltage



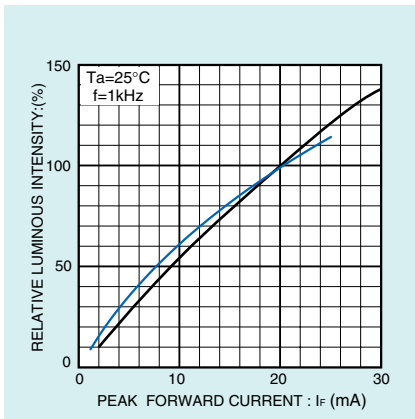
- ( SLR343BC4T  
SLR343EC4T
- ..... ( SLR343ECT  
SLR343BCT
- SLR343BC7T
- ..... SLR343BD2T

### Relative Luminous Intensity - Case Temperature



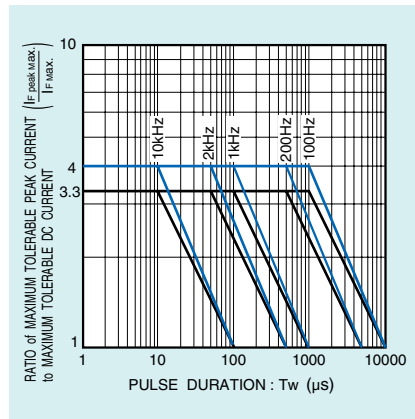
- ( SLR343BCT  
SLR343ECT  
SLR343BC4T  
SLR343EC4T  
SLR343BC7T  
SLR343BD2T

### Relative Luminous Intensity - Forward Current



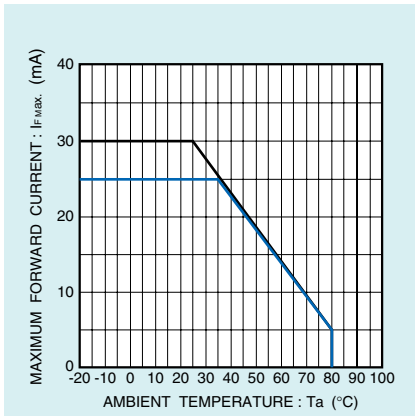
- ( SLR343BCT  
SLR343ECT  
SLR343BC4T  
SLR343EC4T  
SLR343BD2T
- SLR343BC7T

### Ratio of Maximum Tolerable Peak Current - Pulse Duration



- ( SLR343BCT  
SLR343ECT  
SLR343BC4T  
SLR343EC4T  
SLR343BD2T
- SLR343BC7T

## Derating



- ( SLR343BCT  
SLR343ECT  
SLR343BC4T  
SLR343EC4T  
SLR343BD2T
- SLR343BC7T

### Notes

- No technical content pages of this document may be reproduced in any form or transmitted by any means without prior permission of ROHM CO.,LTD.
- The contents described herein are subject to change without notice. The specifications for the product described in this document are for reference only. Upon actual use, therefore, please request that specifications to be separately delivered.
- Application circuit diagrams and circuit constants contained herein are shown as examples of standard use and operation. Please pay careful attention to the peripheral conditions when designing circuits and deciding upon circuit constants in the set.
- Any data, including, but not limited to application circuit diagrams information, described herein are intended only as illustrations of such devices and not as the specifications for such devices. ROHM CO.,LTD. disclaims any warranty that any use of such devices shall be free from infringement of any third party's intellectual property rights or other proprietary rights, and further, assumes no liability of whatsoever nature in the event of any such infringement, or arising from or connected with or related to the use of such devices.
- Upon the sale of any such devices, other than for buyer's right to use such devices itself, resell or otherwise dispose of the same, no express or implied right or license to practice or commercially exploit any intellectual property rights or other proprietary rights owned or controlled by
- ROHM CO., LTD. is granted to any such buyer.
- Products listed in this document are no antiradiation design.

The products listed in this document are designed to be used with ordinary electronic equipment or devices (such as audio visual equipment, office-automation equipment, communications devices, electrical appliances and electronic toys).

Should you intend to use these products with equipment or devices which require an extremely high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), please be sure to consult with our sales representative in advance.

It is our top priority to supply products with the utmost quality and reliability. However, there is always a chance of failure due to unexpected factors. Therefore, please take into account the derating characteristics and allow for sufficient safety features, such as extra margin, anti-flammability, and fail-safe measures when designing in order to prevent possible accidents that may result in bodily harm or fire caused by component failure. ROHM cannot be held responsible for any damages arising from the use of the products under conditions out of the range of the specifications or due to non-compliance with the NOTES specified in this catalog.

Thank you for your accessing to ROHM product informations.

More detail product informations and catalogs are available, please contact your nearest sales office.

**ROHM** Customer Support System

THE AMERICAS / EUROPE / ASIA / JAPAN

[www.rohm.com](http://www.rohm.com)

Contact us : [webmaster@rohm.co.jp](mailto:webmaster@rohm.co.jp)