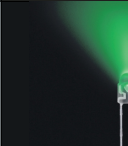


Standard Type ϕ 3.1 Circular Type LED Lamps (LEDs with Pressure Release Structure)

SLR-343 Series

Pressure Release

Shape	Emitting Surface Dimension (mm)	Green		Yellow		Orange		Red	
		GaP				GaAsP on GaP			
		563nm		585nm		610nm		650nm	
Circular Type	ϕ 3.1								
		SLR-343MC	SLR-343MG	SLR-343YC	SLR-343YY	SLR-343DC	SLR-343DU	SLR-343VC	SLR-343VR

■ 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} (℃)	Stotage temperature T _{stg} (℃)
SLR-343MC	Green	75	25				
SLR-343MG							
SLR-343YC	Yellow			60	3	-25 to +85	-30 to +100
SLR-343YY							
SLR-343DC	Orange	60	20				
SLR-343DU							
SLR-343VC	Red						
SLR-343VR							

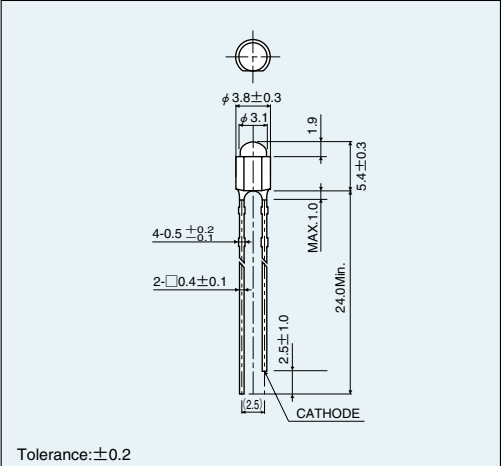
* I_{FP} measured under duty ≤1/ 5,pulse width ≤1ms.

■ Electrical Optical Characteristics (Ta=25℃)

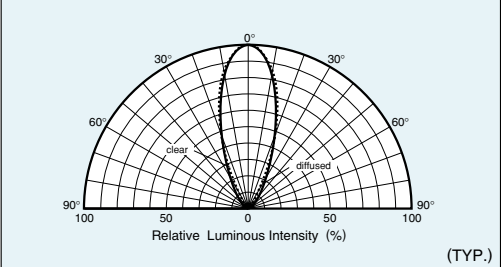
Part No.	Resin Color	Forward voltage V _F		Reverse current I _R		Light wavelength			Brightness I _v		
		Typ. (V)	I _F (mA)	Max. (μA)	V _R (V)	Peak λ _p	Half-wave Δλ	I _F (mA)	Min. (mcd)	Typ. (mcd)	I _F (mA)
						Typ. (nm)	Typ. (nm)				
SLR-343MC	Colored Clear	2.1	10	10	3	563	40	10	9.0	25	10
SLR-343MG	Colored Diffused								5.6	16	
SLR-343YC	Colored Clear					585			3.6	10	
SLR-343YY	Colored Diffused								9.0	25	
SLR-343DC	Colored Clear	2.0	10	10	3	610			5.6	16	
SLR-343DU	Colored Diffused								9.0	25	
SLR-343VC	Colored Clear					650			5.6	16	
SLR-343VR	Colored Diffused										

Note) SLR-343(LEDs with Pressure Release Structure) series are available in the bulk and straight taping style. For forming taping style, we would recommend our SLR-342 series.

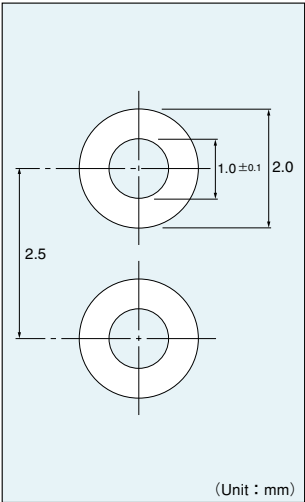
■ External Dimensions (Unit : mm)



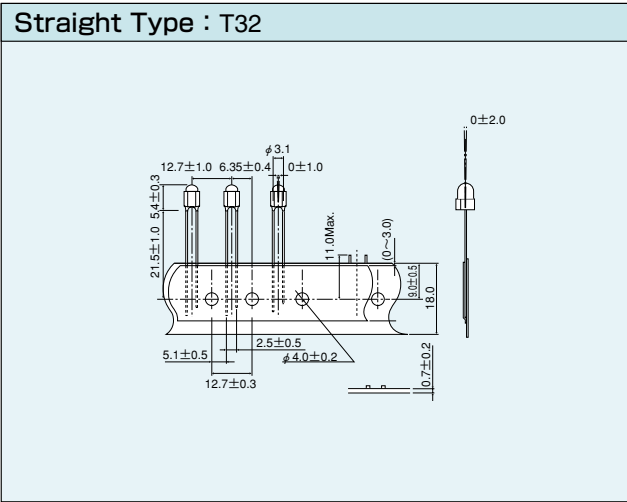
■ Directivity



■ Recommended Pad Layout

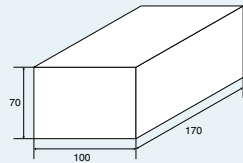


■ Packaging Specifications (Unit : mm)

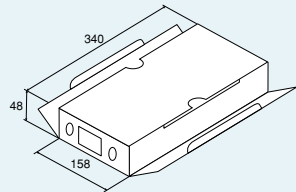


Packaging

Bulk(3F) : 2000pcs/Box

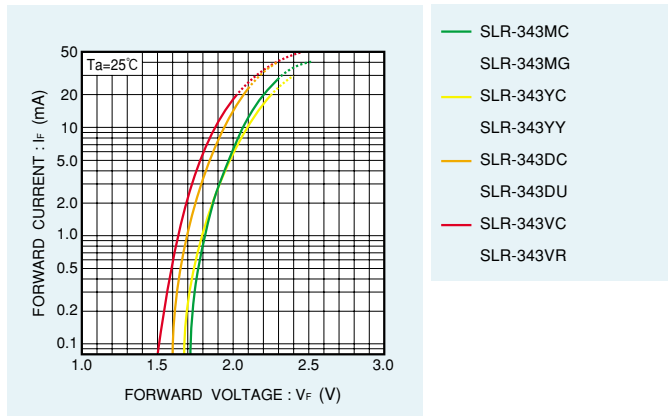


Tape : 2000pcs/Box

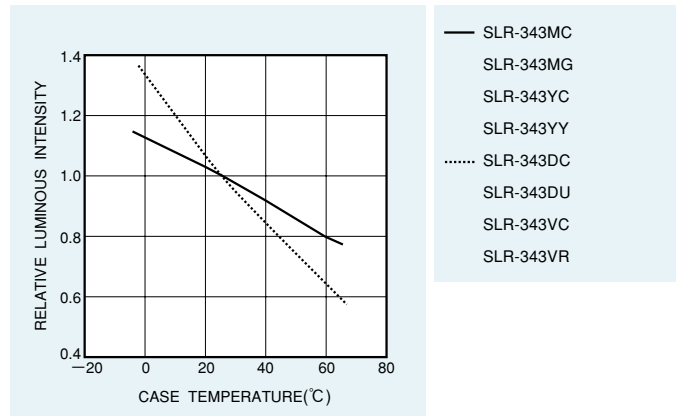


Electrical Characteristic Curves

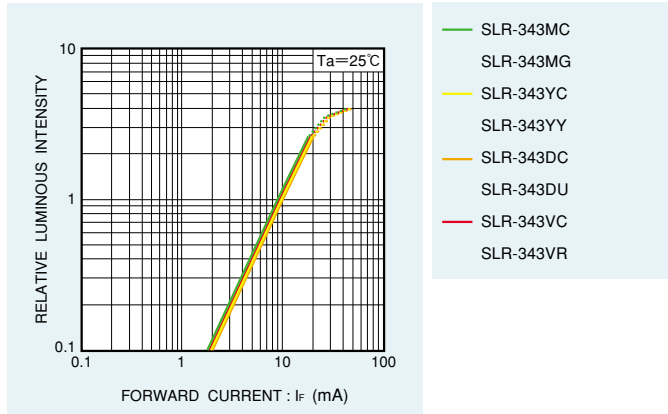
Forward Current - Forward Voltage



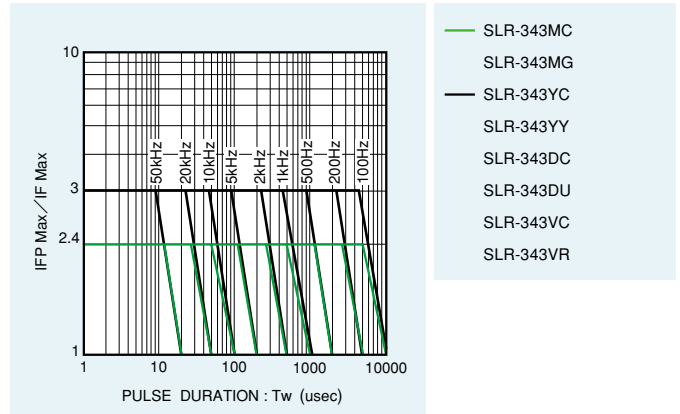
Relative Luminous Intensity - Case Temperature



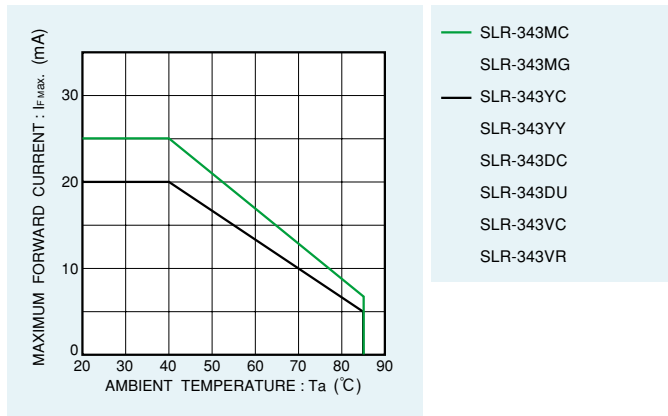
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



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.

About Export Control Order in Japan

Products described herein are the objects of controlled goods in Annex 1 (Item 16) of Export Trade Control Order in Japan.

In case of export from Japan, please confirm if it applies to "objective" criteria or an "informed" (by MITI clause) on the basis of "catch all controls for Non-Proliferation of Weapons of Mass Destruction.