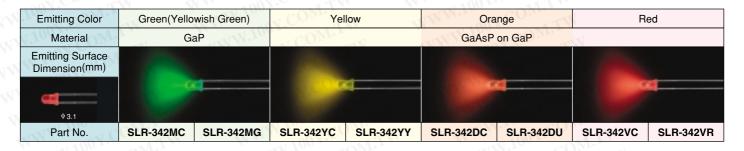
ϕ 3.1(T-1) Circular Type Standard Type <Viewing Angle 2θ 1/2 : 40° >



SLR-342 Series



■ Absolute Maximum Ratings (Ta=25°C)

					_ < \ \ \ \			
Part No.	Emitting color	Power dissipation Pp (mW)	Forward current IF (mA)	Peak forward current *IFP (mA)	Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature Tstg (°C)	
SLR-342MC	Green	75	25		MA	-1100X	TIME	
SLR-342MG	(Yellowish Green)	75	25	(X)	TAN V	W. I	I'COM.	
SLR-342YC	Yellow	100 r.	W.	60	3	W.100	COM.	
SLR-342YY	reliow	100Y.	- N 1			-25 to +85	-30 to +100	
SLR-342DC	Orange	60	20			-23 10 +83		
SLR-342DU						1.W.W.	CO	
SLR-342VC	Red	100	A.Co.	WILL		MM	100 X.	
SLR-342VR	nea	W.10.	CO.	T. T.		WW.	ON CO	

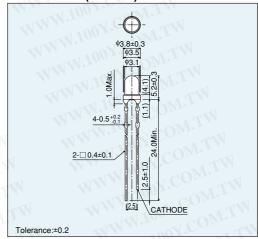
^{*:}Duty ≤ 1/5, pulse width ≤ 1 ms.

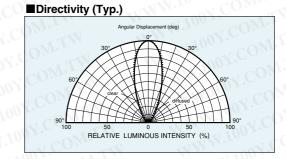
■ Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage V _F		Reverse current In		Light wavelength Peak Half-wave λρ Δλ			Brightness Iv		
		Typ.	lF (mA)	Max. (μA)	VR (V)	Typ. (nm)	Typ. (nm)	lF (mA)	Min. (mcd)	Typ. (mcd)	lF (mA)
SLR-342MC	Transparent Colored	2.1	10	10	33	563	40	10	9.0	25	10
SLR-342MG	Diffused Colored								5.6	16	
SLR-342YC	Transparent Colored					585					
SLR-342YY	Diffused Colored								3.6	10	
SLR-342DC	Transparent Colored	2.0	W W			610	OM		9.0	25	
SLR-342DU	Diffused Colored					610			5.6	16	
SLR-342VC	Transparent Colored					650			9.0	25	
SLR-342VR	Diffused Colored								5.6	16	

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

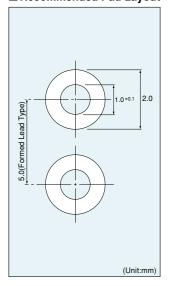
■Dimensions (Unit:mm)

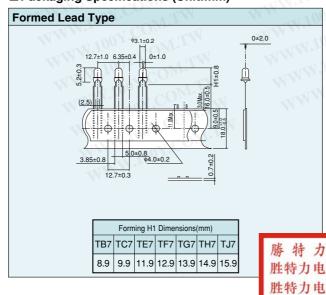


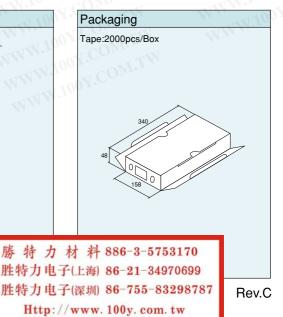


■ Recommended Pad Layout

■ Packaging Specifications (Unit:mm)

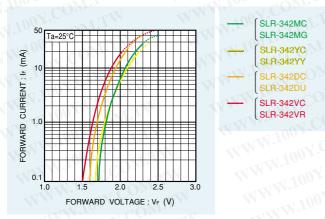






■Electrical Characteristic Curves

Forward Current - Forward Voltage



SLR-342MC

SLR-342MG

SLR-342YC

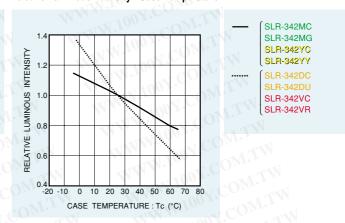
SLR-342YY

SLR-342DU

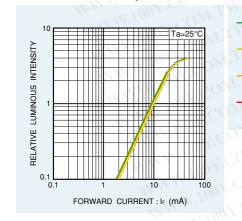
SLR-342VC

SLR-342VR

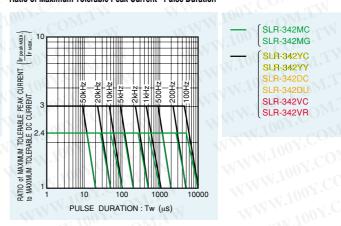
Relative Luminous Intensity - Case Temperature



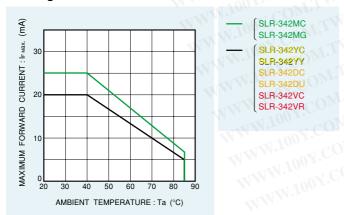
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

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 with 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.

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787

Http://www. 100y. com. tw

