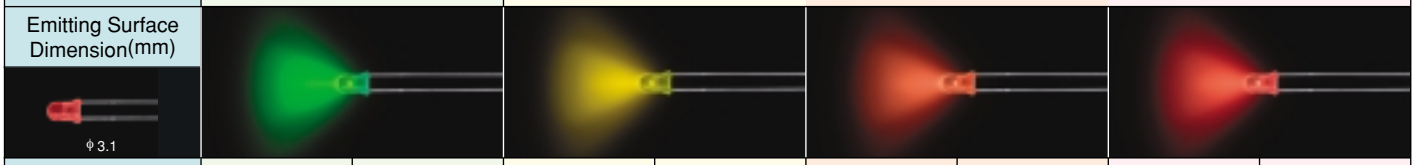
ϕ3.1(T-1) Circular Type Standard Type
<Viewing Angle 2θ1/2 : 40°>

SLR-342 Series

Emitting Color	Green(Yellowish Green)		Yellow		Orange		Red	
Material	GaP				GaAsP on GaP			
Emitting Surface Dimension(mm)								
Part No.	SLR-342MC	SLR-342MG	SLR-342YC	SLR-342YY	SLR-342DC	SLR-342DU	SLR-342VC	SLR-342VR

■Absolute Maximum Ratings (Ta=25°C)

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)	Storage temperature T_{stg} (°C)
SLR-342MC	Green (Yellowish Green)	75	25	60	3	-25 to +85	-30 to +100
SLR-342MG							
SLR-342YC	Yellow						
SLR-342YY							
SLR-342DC	Orange	60	20				
SLR-342DU							
SLR-342VC	Red						
SLR-342VR							

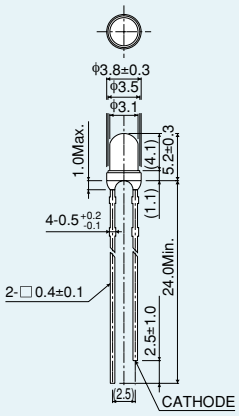
✻:Duty ≦ 1/ 5, pulse width ≦ 1ms.

■Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage V_F		Reverse current I_R		Light wavelength Peak λp	Light wavelength Half-wave Δλ		Brightness Iv		
		Typ. (V)	I_F (mA)	Max. (μA)	V_R (V)	Typ. (nm)	Typ. (nm)	I_F (mA)	Min. (mcd)	Typ. (mcd)	I_F (mA)
SLR-342MC	Transparent Colored	2.1	10	10	3	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				610			9.0	25	
SLR-342DU	Diffused Colored								5.6	16	
SLR-342VC	Transparent Colored					650			9.0	25	
SLR-342VR	Diffused Colored								5.6	16	

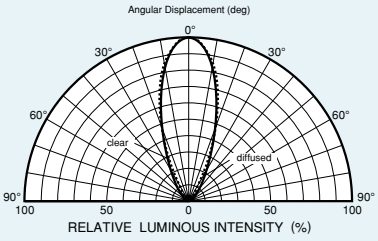
Note) SLR-342 series are available with forming taping style. For the bulk and straight taping style, we would recommend our SLR-343(LEDs with Pressure Release Structure)

■Dimensions (Unit:mm)

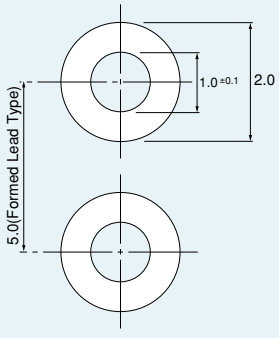


Tolerance:±0.2

■Directivity (Typ.)



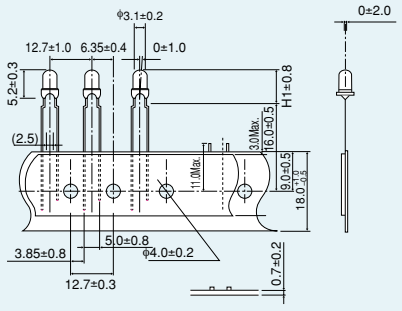
■Recommended Pad Layout



(Unit:mm)

■Packaging Specifications (Unit:mm)

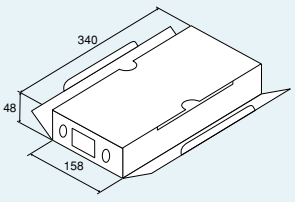
Formed Lead Type



Forming H1 Dimensions(mm)						
TB7	TC7	TE7	TF7	TG7	TH7	TJ7
8.9	9.9	11.9	12.9	13.9	14.9	15.9

Packaging

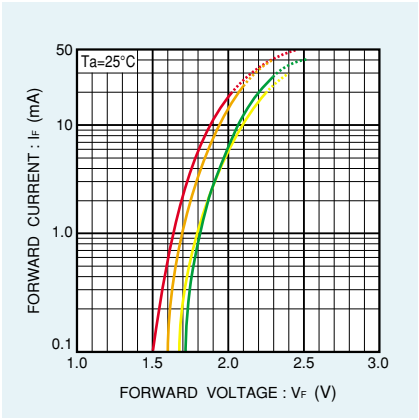
Tape:2000pcs/Box



Rev.C

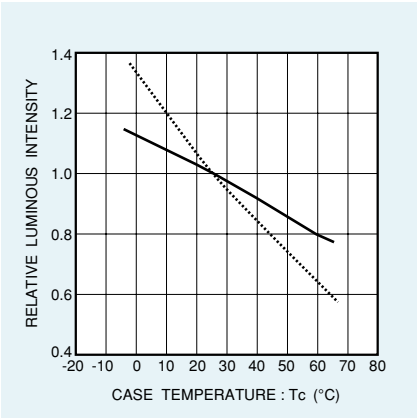
■Electrical Characteristic Curves

Forward Current - Forward Voltage



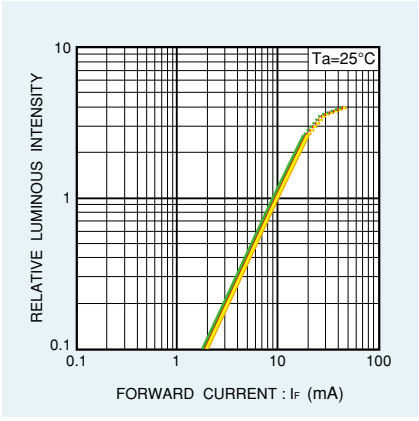
SLR-342MC
SLR-342MG
SLR-342YC
SLR-342YY
SLR-342DC
SLR-342DU
SLR-342VC
SLR-342VR

Relative Luminous Intensity - Case Temperature



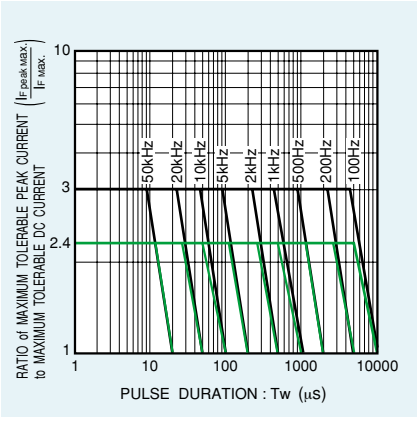
SLR-342MC
SLR-342MG
SLR-342YC
SLR-342YY
SLR-342DC
SLR-342DU
SLR-342VC
SLR-342VR

Relative Luminous Intensity - Forward Current



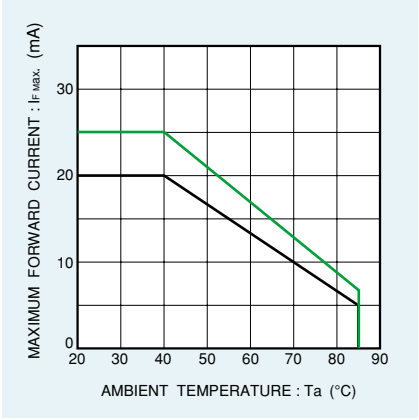
SLR-342MC
SLR-342MG
SLR-342YC
SLR-342YY
SLR-342DC
SLR-342DU
SLR-342VC
SLR-342VR

Ratio of Maximum Tolerable Peak Current - Pulse Duration



SLR-342MC
SLR-342MG
SLR-342YC
SLR-342YY
SLR-342DC
SLR-342DU
SLR-342VC
SLR-342VR

Derating



SLR-342MC
SLR-342MG
SLR-342YC
SLR-342YY
SLR-342DC
SLR-342DU
SLR-342VC
SLR-342VR

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