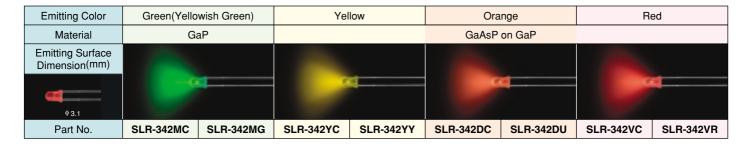
# $\phi$ 3.1(T-1) Circular Type Standard Type <Viewing Angle $2\theta$ 1/2 : $40^{\circ}$ >





# **SLR-342 Series**



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

Part No.	Emitting color	Power dissipation P <sub>D</sub> (mW)	Forward current IF (mA)	Peak forward current *IFP (mA)	Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)
SLR-342MC	Green	75	25				
SLR-342MG	(Yellowish Green)		25				
SLR-342YC	Yellow				3	-25 to +85	
SLR-342YY	rellow			60			-30 to +100
SLR-342DC	Orongo	60	20	60		-23 (0 +03	
SLR-342DU	Orange						
SLR-342VC	Dod						
SLR-342VR	Red						

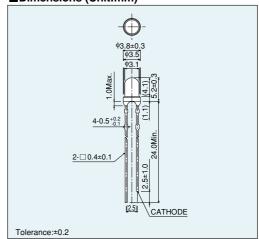
<sup>\*:</sup>Duty ≤ 1/5, pulse width ≤ 1 ms.

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

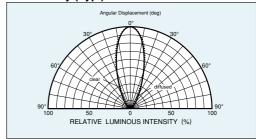
Part No.	Resin Color	Forward voltage V <sub>F</sub>		Reverse current In		Light wavelength  Peak Half-wave  λρ Δλ			Brightness lv		
		Typ.	lF (mA)	Max. (μ <b>A</b> )	VR (V)	Typ. (nm)	Typ. (nm)	lF (mA)	Min. (mcd)	Typ. (mcd)	lF (mA)
SLR-342MC	Transparent Colored	2.1	10	10	3	563	40	10	9.0	25	10
SLR-342MG	Diffused Colored								5.6	16	
SLR-342YC	Transparent Colored					585					
SLR-342YY	Diffused Colored								3.6	10	
SLR-342DC	Transparent Colored	2.0	10			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)

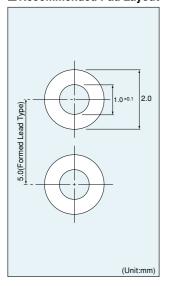


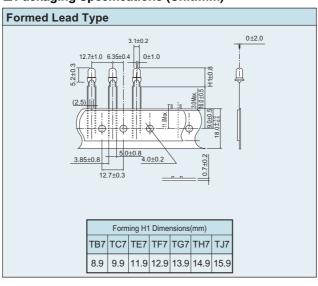


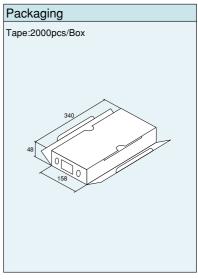


# ■ Recommended Pad Layout

# ■ Packaging Specifications (Unit:mm)

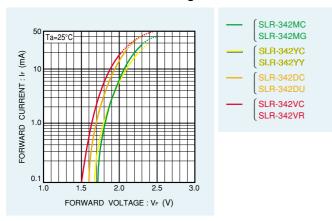






#### **■**Electrical Characteristic Curves

#### **Forward Current - Forward Voltage**



SLR-342MC

SLR-342MG

SLR-342YC

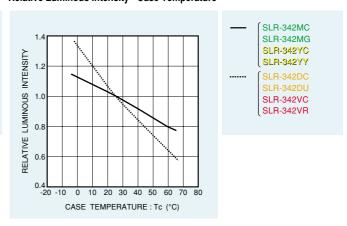
SLR-342YY

SLR-342DU

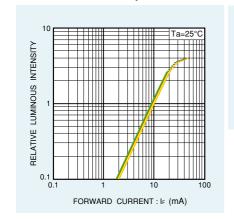
SLR-342VC

SLR-342VR

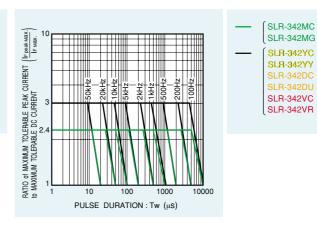
#### Relative Luminous Intensity - Case Temperature



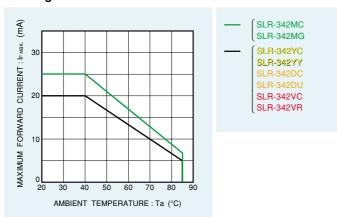
# **Relative Luminous Intensity - Forward Current**



# Ratio of Maximum Tolerable Peak Current - Pulse Duration



# Derating



#### Notes

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