

$\phi 5.0$ (T-1 3/4) Circular Type Standard Type <Viewing Angle 2 θ 1/2 : 40°>

SLR-56 Series

Emitting Color	Green(Yellowish Green)		Yellow		Orange		Red	
Material	GaP				GaAsP on GaP			
Emitting Surface Dimension(mm)								
$\phi 5.0$								
Part No.	SLR-56MC	SLR-56MG	SLR-56YC	SLR-56YY	SLR-56DC	SLR-56DU	SLR-56VC	SLR-56VR

Absolute Maximum Ratings (Ta=25°C)

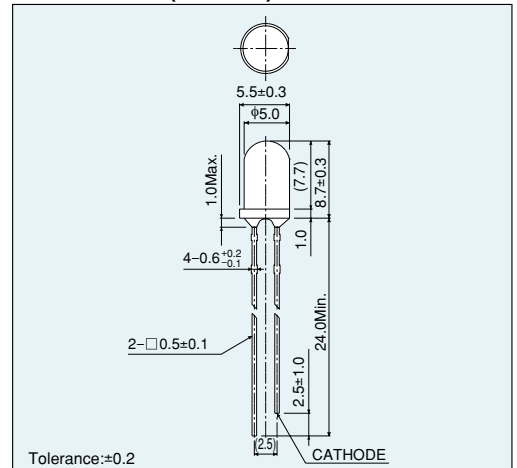
Part No.	Emitting color	Power dissipation Pd (mW)	Forward current If (mA)	Peak forward current * Ifp (mA)	Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)
SLR-56MC	Green (Yellowish Green)	75	25				
SLR-56MG							
SLR-56YC	Yellow			60	3	-25 to +85	-30 to +100
SLR-56YY							
SLR-56DC	Orange	60	20				
SLR-56DU							
SLR-56VC	Red						
SLR-56VR							

*:Duty $\leq 1/5$, pulse width ≤ 1 ms.

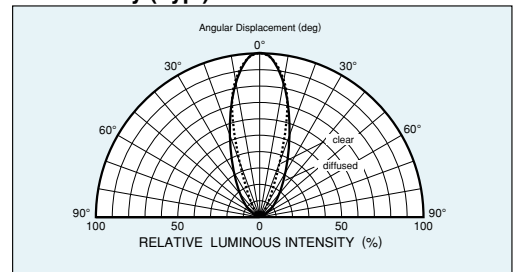
Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage VF		Reverse current IR		Light wavelength		Brightness Lv		
		Typ. (V)	If (mA)	Max. (μ A)	VR (V)	Peak λ_p Typ. (nm)	Half-wave $\Delta\lambda$ Typ. (nm)	If (mA)	Min. (mcd)	Typ. (mcd)
SLR-56MC	Transparent Colored	2.1				563			14	40
SLR-56MG	Diffused Colored								5.6	16
SLR-56YC	Transparent Colored	10	10	10	3	585	40	10	9.0	25
SLR-56YY	Diffused Colored								5.6	10
SLR-56DC	Transparent Colored	2.0				610			9.0	25
SLR-56DU	Diffused Colored								3.6	10
SLR-56VC	Transparent Colored					650			9.0	25
SLR-56VR	Diffused Colored								3.6	10

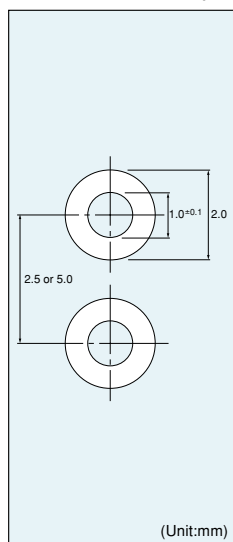
Dimensions (Unit:mm)



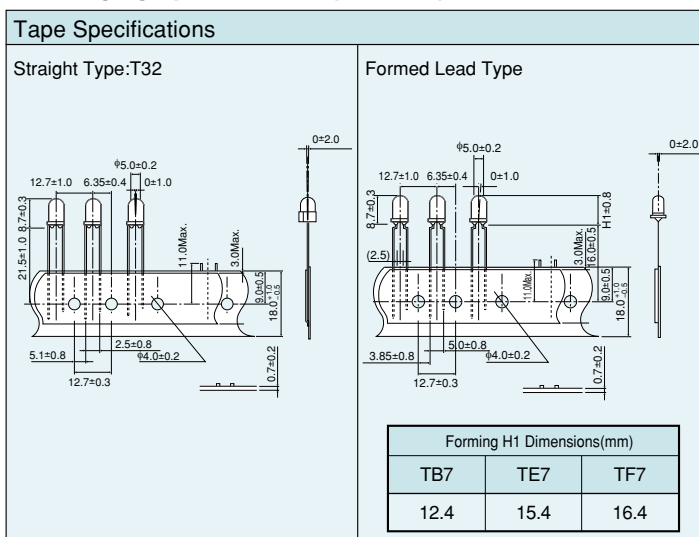
Directivity (Typ.)



Recommended Pad Layout

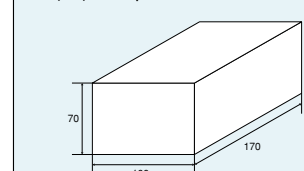


Packaging Specifications (Unit:mm)

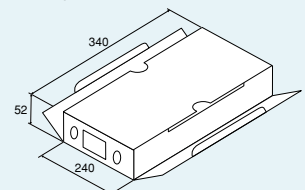


Packaging

Bulk(3F):1000pcs/Box

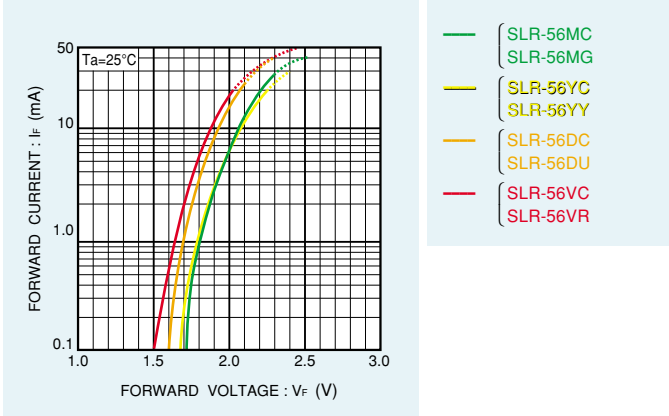


Tape:2000pcs/Box

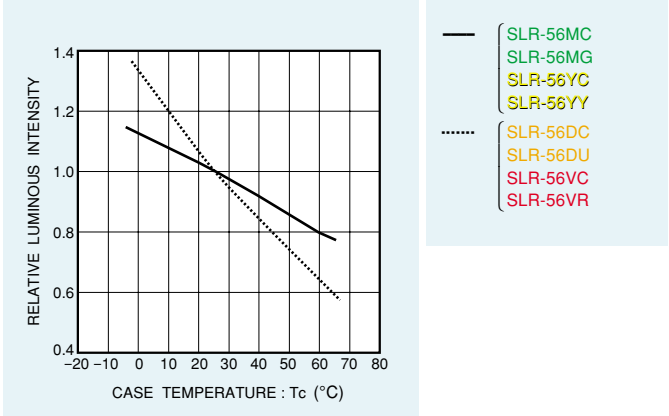


■Electrical Characteristic Curves

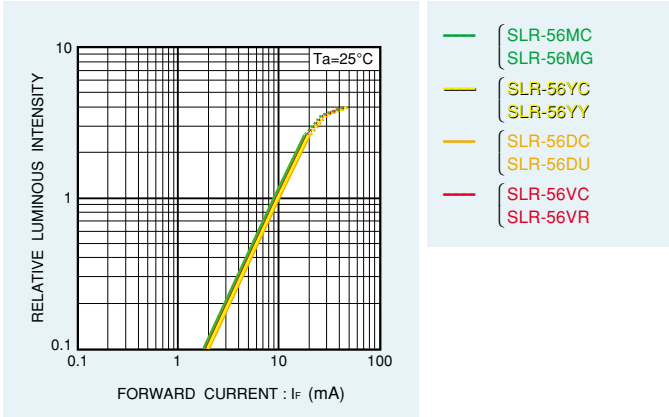
Forward Current - Forward Voltage



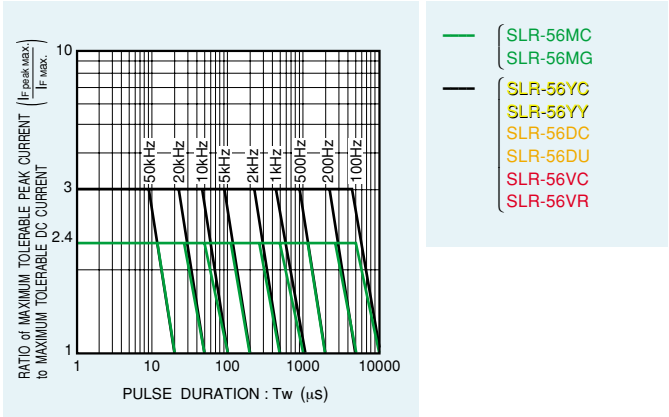
Relative Luminous Intensity - Case Temperature



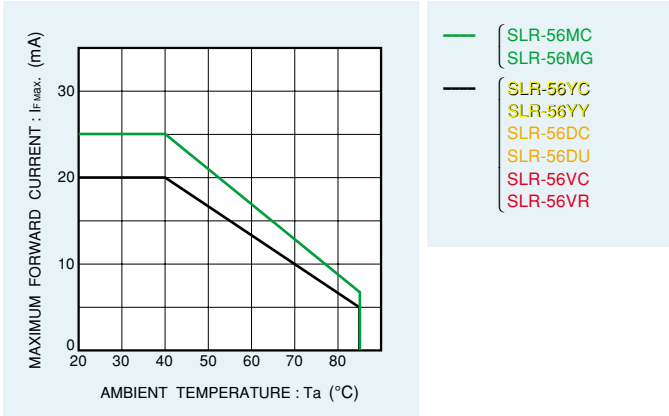
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



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