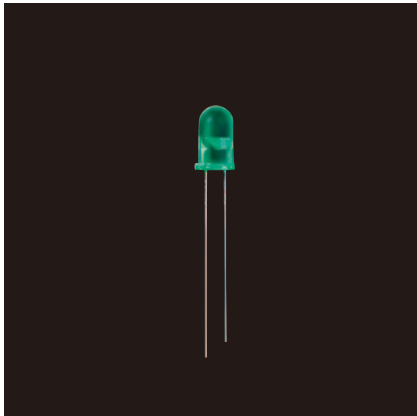




SLR-56 Series

Features

- Viewing angle 2θ 1/2 : 40°

 Color Type V D Y M

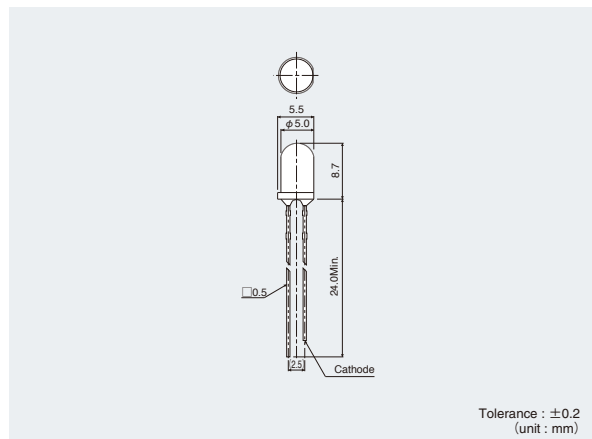
Specifications

 Viewing angle 2θ 1/2 / 40°: Standard

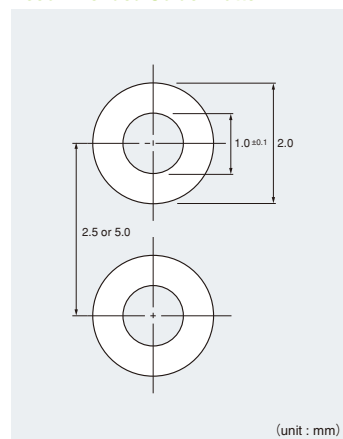
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25℃)						Electrical and Optical Characteristics (Ta=25℃)							
			Power Dissipation Pd(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(℃)	Storage Temperature Tsg(℃)	Forward Voltage VF Typ.(V)	IF(mA)	Reverse Current IR Max.(μA)	VR(V)	Dominant Wavelength λ D Typ.(nm)	IF(mA)	Luminous Intensity Iv Min.(mcd)	Typ.(mcd)
■ SLR-56VC	GaAsP on GaP	Red							2				630			
■ SLR-56DC		Orange	60	20									605		9	25
■ SLR-56YC		Yellow											587			
■ SLR-56MC	GaP	Yellowish Green	75	25	60*	3	-25 to +85	-30 to +100	2.1	10	10	3	572	10	14	40
■ SLR-56VR	GaAsP on GaP	Red							2				630		3.6	10
■ SLR-56DU		Orange	60	20									605			
■ SLR-56YY		Yellow											587			
■ SLR-56MG	GaP	Yellowish Green	75	25					2.1				572		5.6	16

*:Duty1/5, 200Hz

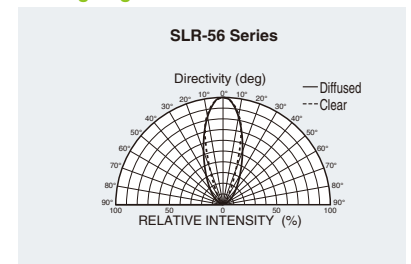
Dimensions



Recommended Solder Pattern

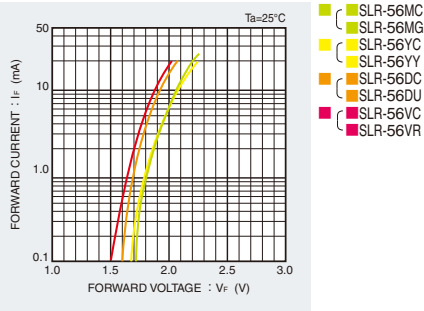


Viewing Angle

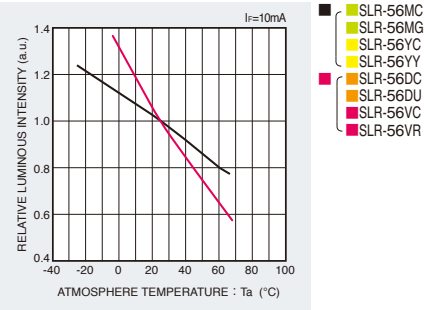


Electrical Characteristics Curves

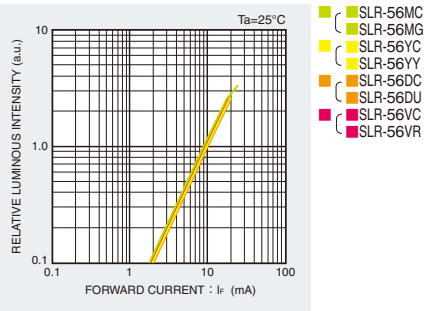
Forward Current-Forward Voltage



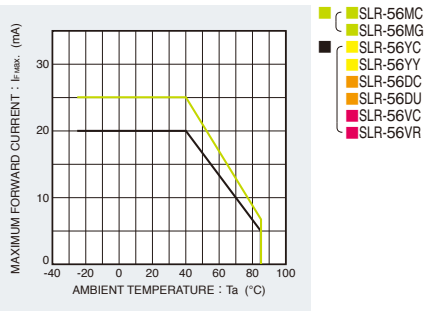
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

Red (V)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
		Brightness (mcd)	0.40 to 0.63	0.63 to 1.0	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
φ5	40°	Resin Color																
Circular type		Transparent Colored																
		Diffused Colored																

Orange (D)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
		Brightness (mcd)	0.40 to 0.63	0.63 to 1.0	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
φ5	40°	Resin Color																
Circular type		Transparent Colored																
		Diffused Colored																

Yellow (Y)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
		Brightness (mcd)	0.40 to 0.63	0.63 to 1.0	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
φ5	40°	Resin Color																
Circular type		Transparent Colored																
		Diffused Colored																

Green (M)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
		Brightness (mcd)	0.40 to 0.63	0.63 to 1.0	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
φ5	40°	Resin Color																
Circular type		Transparent Colored																
		Diffused Colored																

※Brightness on specification sheet include tolerance of within ± 10%.

Part No. Construction

* “-” will be taken out for emitting color W, B, E series.



V	Red:630nm	R	<Red> Diffused Colored	3F	1-Element straight bulk
D	Orange:605nm	U	<Orange> Diffused Colored	T□□	See taping specifications
Y	Yellow:587(590)nm	Y	<Yellow> Diffused Colored		
M	Yellowish-Green:572(563)nm	G	<Green> Diffused Colored		
		C	Transparent Colored		

- * Concerning the Brightness rank
- Please refer to the rank chart above for luminous intensity classification.
 - Part name is individual for each rank.
 - When shipped as sample, the part name will be a representative part name.
- General products are free of ranks. Please contact sales if rank appointment is needed.

Packing Specification

ROHM LED products are being shipped with desiccant (silica gel) concluded in moisture-proof bags.
Pasting the moisture sensitive label on the outer surface of the moisture-proof bags or enclosing the humidity indication card inside the bag is available upon request.
Please contact the nearest sales office or distributor if necessary.

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