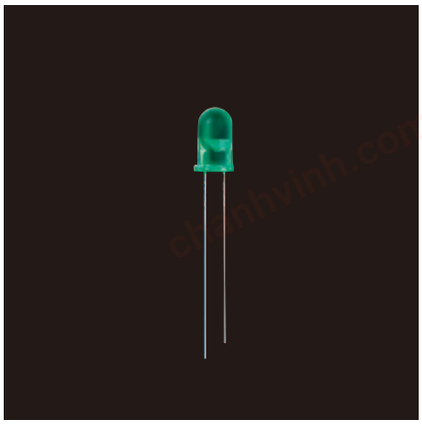
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ROHM SEMICONDUCTOR

Data Sheet



SLR-56 Series

Features

・**Viewing angle 2θ 1/2 : 40°**

Color Type: V D Y M

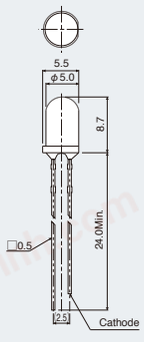
Specifications

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 Tstg(℃)	Forward Voltage VF Typ.(V)	VF IF(mA)	Reverse Current IR Max.(μA)	IR VR(V)	Dominant Wavelength λD Typ.(nm)	λD IF(mA)	Luminous Intensity Iv Min.(mcd)	Iv Typ.(mcd)	Iv IF(mA)
■ **SLR-56VC**	GaAsP on GaP	Red	60	20	60＊	3	-25 to +85	-30 to +100	2	10	10	3	630	10			10
■ **SLR-56DC**		Orange											605		9	25	
■ **SLR-56YC**		Yellow							2.1				587				
■ **SLR-56MC**	GaP	Yellowish Green	75	25									572		14	40	
■ **SLR-56VR**	GaAsP on GaP	Red	60	20					2				630		3.6	10	
■ **SLR-56DU**		Orange											605				
■ **SLR-56YY**		Yellow							2.1				587		5.6	16	
■ **SLR-56MG**	GaP	Yellowish Green	75	25									572				

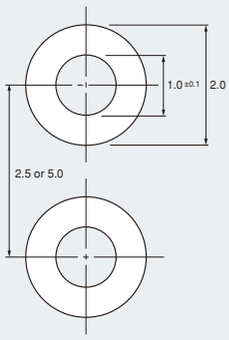
＊:Duty1/5, 200Hz

Dimensions



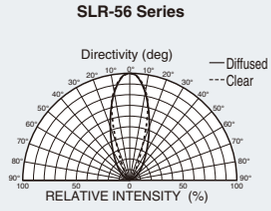
Tolerance : ±0.2
(unit : mm)

Recommended Solder Pattern



(unit : mm)

Viewing Angle

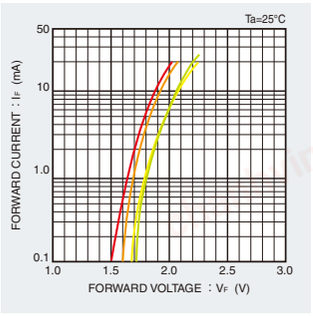


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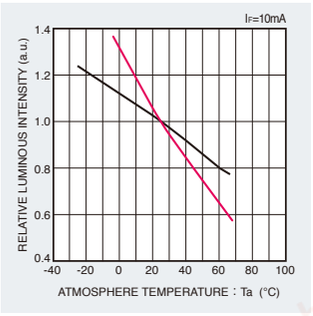
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Electrical Characteristics Curves

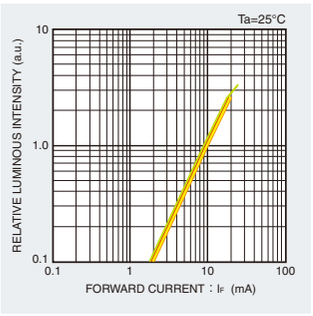
Forward Current-Forward Voltage



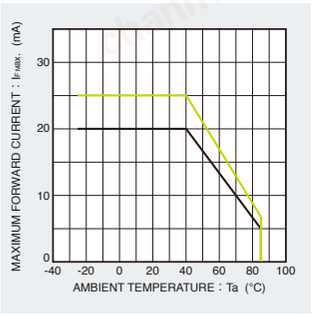
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



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SLR-56 Series

Rank Reference of Brightness

Red (V)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E 0.40 to 0.63	F 0.63 to 1.0	G 1.0 to 1.6	H 1.6 to 2.5	J 2.5 to 4.0	K 4.0 to 6.3	L 6.3 to 10	M 10 to 16	N 16 to 25	P 25 to 40	Q 40 to 63	R 63 to 100	S 100 to 160	T 160 to 250	U 250 to 400	V 400 to 630
φ5 Circular type	40°	Transparent Colored								※SLR-56VC								
		Diffused Colored						※SLR-56VR										

Orange (D)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E 0.40 to 0.63	F 0.63 to 1.0	G 1.0 to 1.6	H 1.6 to 2.5	J 2.5 to 4.0	K 4.0 to 6.3	L 6.3 to 10	M 10 to 16	N 16 to 25	P 25 to 40	Q 40 to 63	R 63 to 100	S 100 to 160	T 160 to 250	U 250 to 400	V 400 to 630
φ5 Circular type	40°	Transparent Colored								※SLR-56DC								
		Diffused Colored						※SLR-56DU										

Yellow (Y)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E 0.40 to 0.63	F 0.63 to 1.0	G 1.0 to 1.6	H 1.6 to 2.5	J 2.5 to 4.0	K 4.0 to 6.3	L 6.3 to 10	M 10 to 16	N 16 to 25	P 25 to 40	Q 40 to 63	R 63 to 100	S 100 to 160	T 160 to 250	U 250 to 400	V 400 to 630
φ5 Circular type	40°	Transparent Colored								※SLR-56YC								
		Diffused Colored							※SLR-56YY									

Green (M)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E 0.40 to 0.63	F 0.63 to 1.0	G 1.0 to 1.6	H 1.6 to 2.5	J 2.5 to 4.0	K 4.0 to 6.3	L 6.3 to 10	M 10 to 16	N 16 to 25	P 25 to 40	Q 40 to 63	R 63 to 100	S 100 to 160	T 160 to 250	U 250 to 400	V 400 to 630
φ5 Circular type	40°	Transparent Colored									※SLR-56MC							
		Diffused Colored								※SLR-56MG								

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

Part No. Construction

＊ "–" will be taken out for emitting color W, B, E series.

S	L	R	–	5	6	V	C	T	3	2	K
Series name				Package type		Emitting Color	Resin Color	Taping specifications			Rank sign (Brightness Rank)＊

V	Red:630nm
D	Orange:605nm
Y	Yellow:587(590)nm
M	Yellowish-Green:572(563)nm

R	<Red> Diffused Colored
U	<Orange> Diffused Colored
Y	<Yellow> Diffused Colored
G	<Green> Diffused Colored
C	Transparent Colored

3F	1-Element straight bulk
T□□	See taping specifications

＊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 distributer if necessary.

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ROHM SEMICONDUCTOR

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