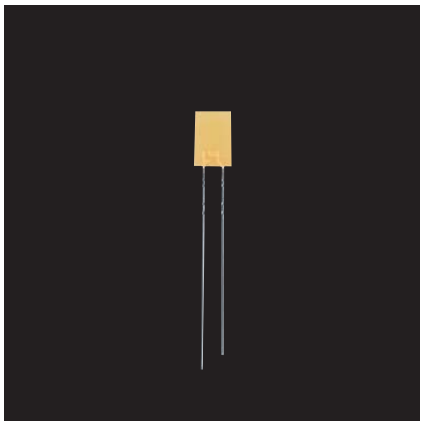
ROHM SEMICONDUCTOR

Data Sheet



SLB-25 Series

Features

・**Viewing angle 2θ 1/2 : 160˚**

Color Type: V D Y M

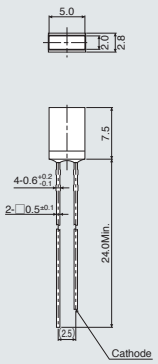
Specifications

Viewing angle 2θ 1/2 / 160˚: 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)	IF(mA)	Reverse Current IR Max. (μA)	VR(V)	Dominant Wavelength λD Typ.(nm)	IF(mA)	Luminous Intensity Iv Min. (mcd)	Typ. (mcd)	IF(mA)
SLB-25VR	GaAsP on GaP	Red	60	20	60*	3	-25 to +85	-30 to +100	2.0	10	10	3	630	10	0.36	1.0	10
SLB-25DU		Orange											605				
SLB-25YY		Yellow							2.1				587				
SLB-25MG	GaP	Yellowish Green	75	25									572				

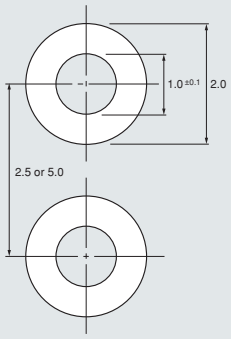
*:Duty1/5, 200Hz

Dimensions



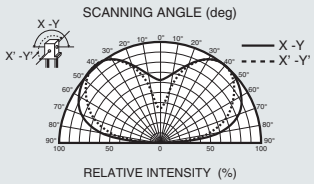
Tolerance : ±0.2
(unit : mm)

Recommended Solder Pattern



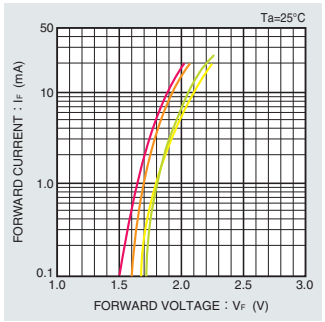
(unit : mm)

Viewing Angle



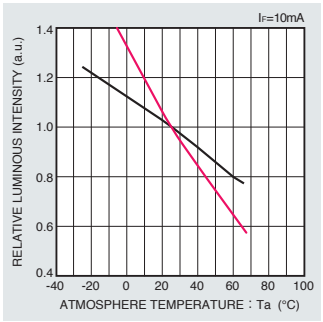
Electrical Characteristics Curves

Forward Current-Forward Voltage



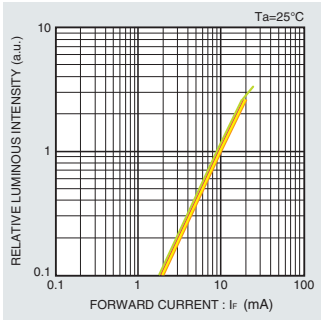
SLB-25VR
SLB-25DU
SLB-25YY
SLB-25MG

Luminous Intensity-Atmosphere Temperature



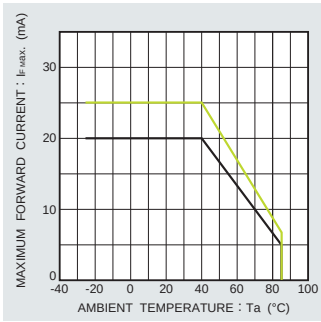
SLB-25VR
SLB-25DU
SLB-25YY
SLB-25MG

Luminous Intensity-Forward Current



SLB-25VR
SLB-25DU
SLB-25YY
SLB-25MG

Derating



SLB-25VR
SLB-25DU
SLB-25YY
SLB-25MG

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Rank Reference of Brightness

Red (V)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
			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
2X5 Square type	160°	Diffused Colored	※SLB-25VR															

Orange (D)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
			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
2X5 Square type	160°	Diffused Colored	※SLB-25DU															

Yellow (Y)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
			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
2X5 Square type	160°	Diffused Colored	※SLB-25YY															

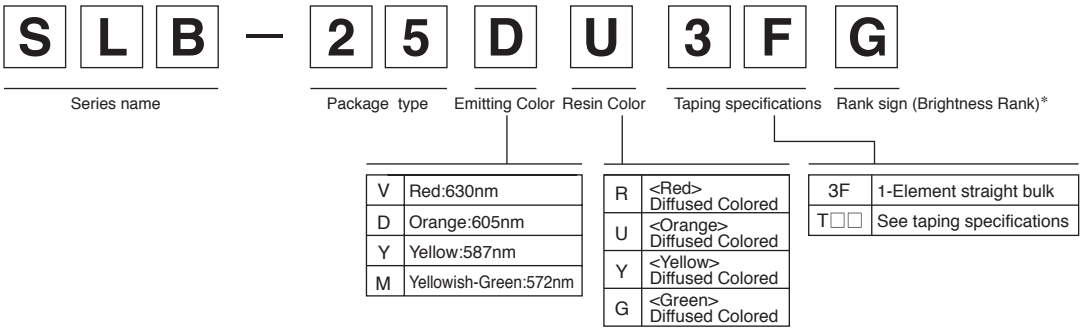
Green (M)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
			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
2X5 Square type	160°	Diffused Colored	※SLB-25MG															

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

Part No. Construction



* 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.

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ROHM SEMICONDUCTOR

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