



SML-11 Series

3020(1208)
3.0×2.0mm(t=1.6mm)

Features

- Side-view with reflector type
- 3.0×2.0mm t=1.6mm

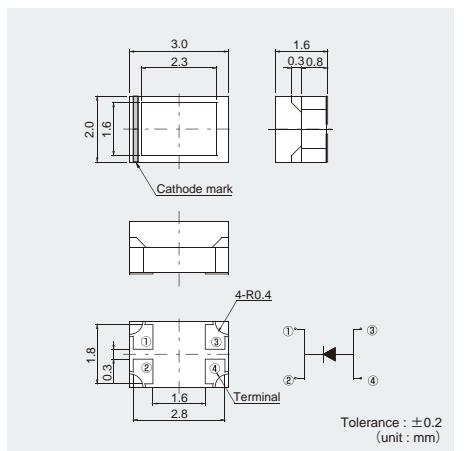


Specifications

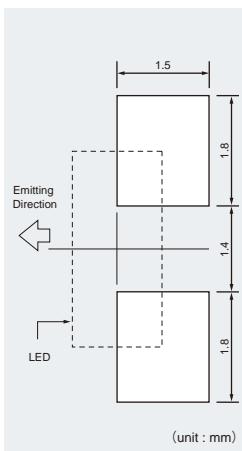
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)								
			Power Dissipation PD(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage VF Typ.(V)	Reverse Current IR Max.(μA)	VR(V)	Dominant Wavelength λ D Min.(nm)	λ D Typ.(nm)	λ D Max.(nm)	IF(mA)	Luminous Intensity Iv Min.(mcd)	Iv Typ.(mcd)
■ SML-110VT	GaAsP on GaP	Red	70	25	60 ^{*1}	4	-30 to +85	-40 to +85	2.0	100	4	625	630	635	2.2	6.3	20
■ SML-110DT		Orange										602	605	608			
■ SML-110YT		Yellow										587	590	593			
■ SML-110MT		Yellowish Green	569	572	575	20	-30 to +85	-40 to +85	2.1	100	4	569	572	575			
■ SML-110FT		Green										562	565	568			
■ SML-110PT		Green										557	560	563			

*1:Duty1/5, 200Hz / *2:Reference

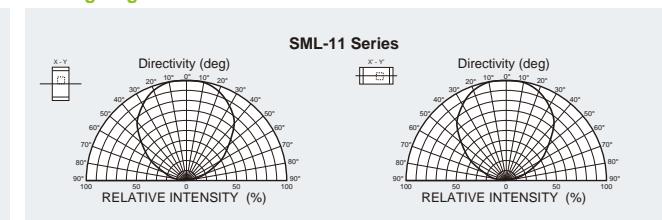
Dimensions



Recommended Solder Pattern

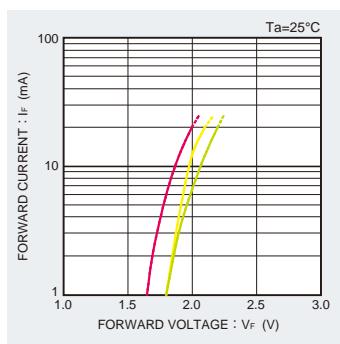


Viewing Angle

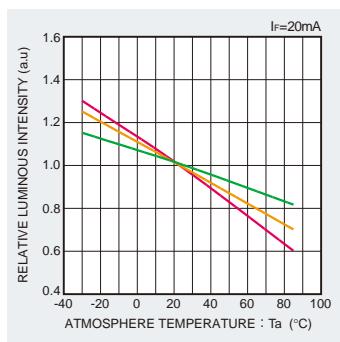


Electrical Characteristics Curves

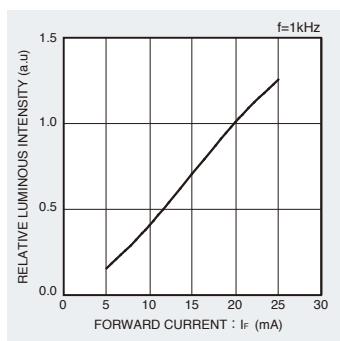
Forward Current-Forward Voltage



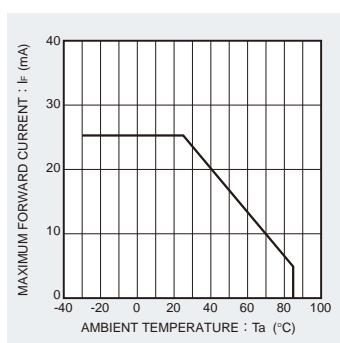
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



SML-11 Series

Rank Reference of Brightness

■ Red (V)

	Package size(mm)	Height(mm)	(Ta=25°C, If=20mA)								
			G	H	J	K	L	M	N	P	Q
Side View (reflector)	3020	1.6	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

SML-110VT

■ Orange (D)

	Package size(mm)	Height(mm)	(Ta=25°C, If=20mA)								
			G	H	J	K	L	M	N	P	Q
Side View (reflector)	3020	1.6	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

SML-110DT

■ Yellow (Y)

	Package size(mm)	Height(mm)	(Ta=25°C, If=20mA)								
			G	H	J	K	L	M	N	P	Q
Side View (reflector)	3020	1.6	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

SML-110YT

■ Green (M, P, F)

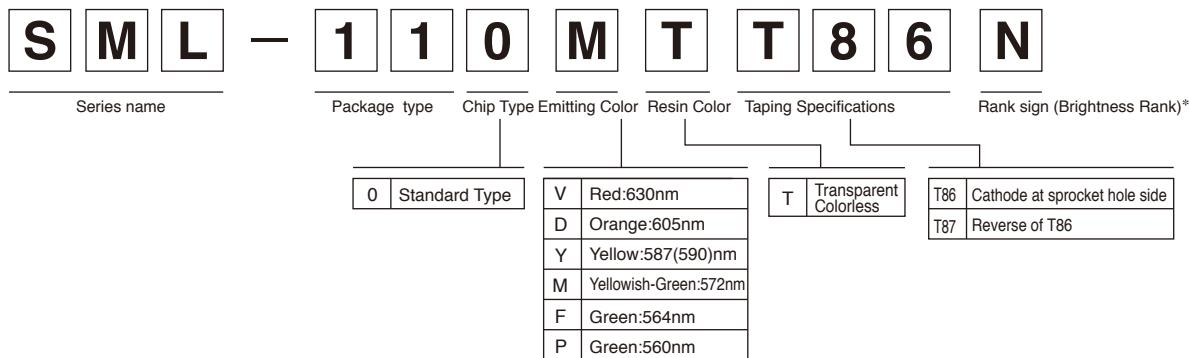
	Package size(mm)	Height(mm)	(Ta=25°C, If=20mA)									
			F	G	H	J	K	L	M	N	P	
Side View (reflector)	3020	1.6	0.63 to 1.0	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63

SML-110MT

SML-110FT

SML-110PT

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.

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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