



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

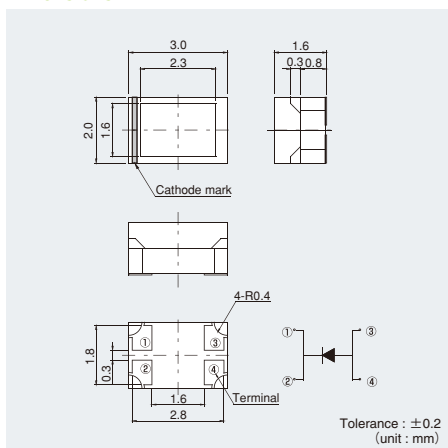
Color Type	L	V	D	Y
	M	F	P	W

Specifications

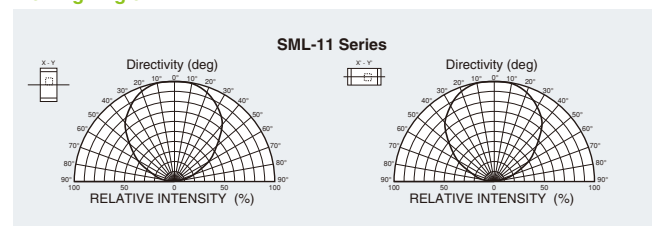
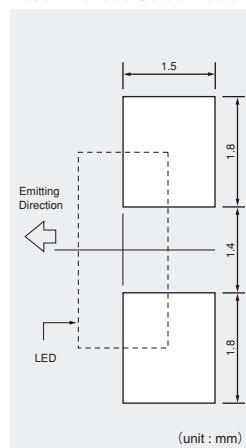
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)									
			Power Dissipation Pd(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage VF Typ.(V)	IF(mA)	Reverse Current IR Max.(μA)	VR(V)	Dominant Wavelength λD Min.*2 (nm)	Typ. (nm)	Max.*2 (nm)	Luminous Intensity Iv Min. (mcd)	Typ. (mcd)	IF(mA)
■ SML-110VT	GaAsP on GaP	Red							2.0				625	630	635	2.2	6.3	
■ SML-110DT		Orange											602	605	608	3.6	10	
■ SML-110YT		Yellow	70	25	60*1	4	-30 to +85	-40 to +85	2.1				587	590	593	2.2	6.3	20
■ SML-110MT	GaP	Yellowish Green							20	100	4		569	572	575	5.6	16	
■ SML-110FT		Green							2.2				562	565	568	3.6	10	
■ SML-110PT		Green											557	560	563	2.2	6.3	

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

Dimensions

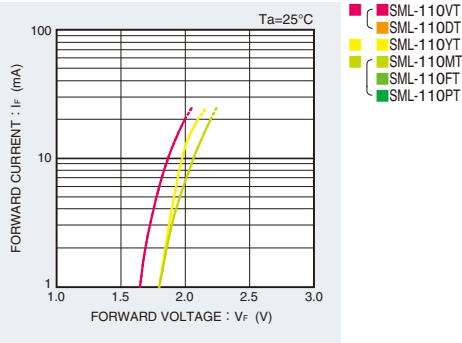


Recommended Solder Pattern Viewing Angle

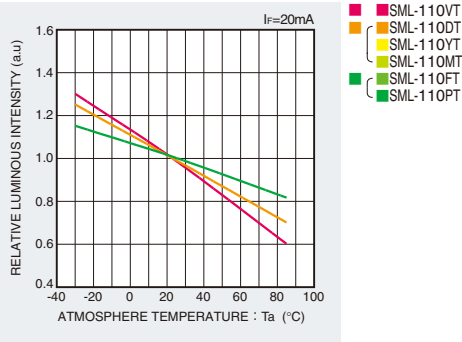


Electrical Characteristics Curves

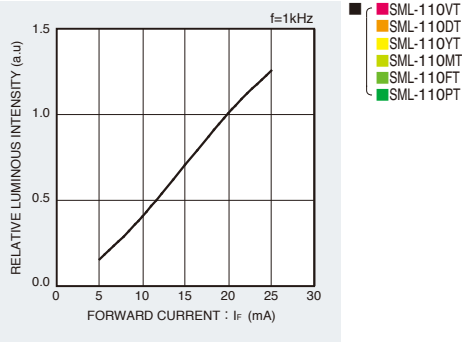
Forward Current-Forward Voltage



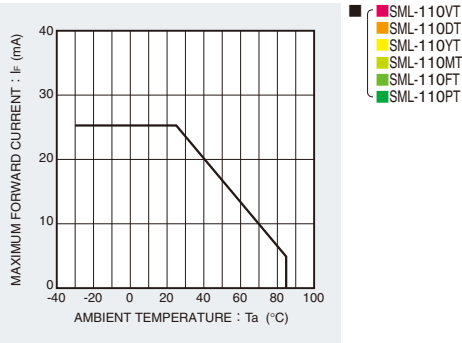
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

Red (V)

(Ta=25°C, If=20mA)

	Package size(mm)	Luminous Intensity (mcd)	G	H	J	K	L	M	N	P	Q
		Height(mm)	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
Side View (reflector)	3020	1.6			SML-110VT						

Orange (D)

(Ta=25°C, If=20mA)

	Package size(mm)	Luminous Intensity (mcd)	G	H	J	K	L	M	N	P	Q
		Height(mm)	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
Side View (reflector)	3020	1.6				SML-110DT					

Yellow (Y)

(Ta=25°C, If=20mA)

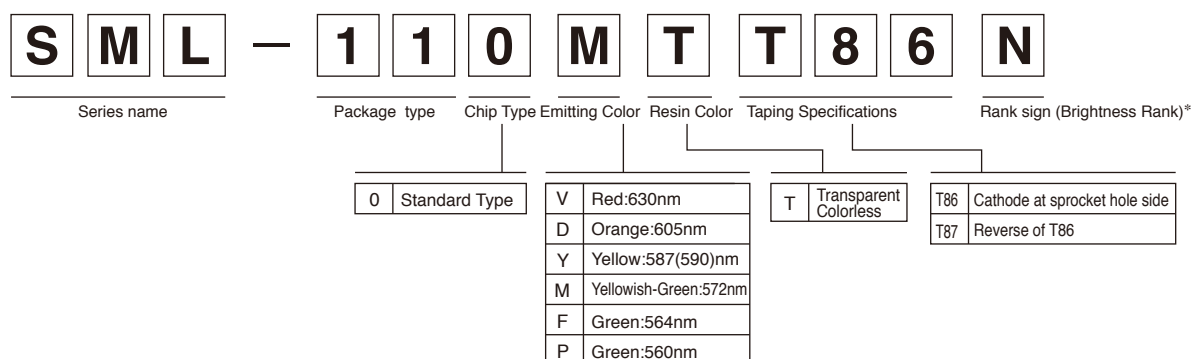
	Package size(mm)	Luminous Intensity (mcd)	G	H	J	K	L	M	N	P	Q
		Height(mm)	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63
Side View (reflector)	3020	1.6			SML-110YT						

Green (M, P, F)

(Ta=25°C, If=20mA)

	Package size(mm)	Luminous Intensity (mcd)	F	G	H	J	K	L	M	N	P	Q
		Height(mm)	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
Side View (reflector)	3020	1.6						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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