



SML-11 Series

3020(1208) 3.0×2.0 mm(t=1.6mm)

Features

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









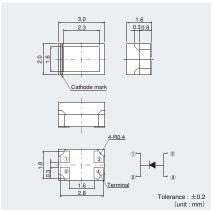


Specifications

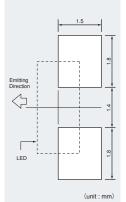
			Absolute Maximum Ratings (Ta=25°C)							Electrical and Optical Characteristics (Ta=25°C)									
Part No.	Chip Structure	Emitting Color	Power Dissipation PD(mW)		Peak Forward Current IFP(mA)		Operating Temperature Topr(°C)	Storage Temperature Tstq(°C)					Domin Min.* ² (nm)	Tvp.	May *2				IF(mA)
SML-110VT		Red						3(*)	2.0		(625	630	635		2.2	6.3	
SML-110DT	GaAsP on GaP	Orange							2.0				602	605	608		3.6	10	
SML-110YT		Yellow	70	25	60*1	4	-30 to +85	-40 to +85	2.1	20	100	4	587	590	593	20	2.2	6.3	20
SML-110MT		Yellowish Green	/ /	25	60	4	-30 to +65	-40 10 +65		20	100	4	569	572	575		5.6	16	20
SML-110FT	GaP	Green							2.2				562	565	568		3.6	10	
SML-110PT		Green											557	560	563		2.2	6.3	

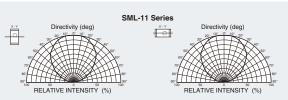
*1:Duty1/5, 200Hz / *2:Reference

Dimensions



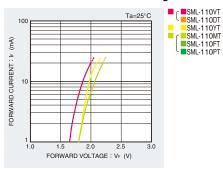
Recommended Solder Pattern Viewing Angle



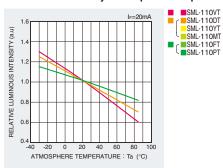


Electrical Characteristics Curves

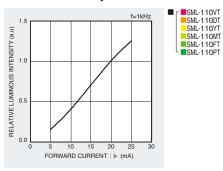
Forward Current-Forward Voltage



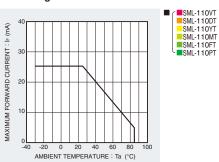
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

Red (V)

Ta=25°C, IF=20mA)													
	Package	Luminous Intensity	G	Н	J	K	L	М	N	Р	Q		
	ciza(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	Luminous	Н	J	K	L	M	N	Р	Q
	-: ()		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-1				

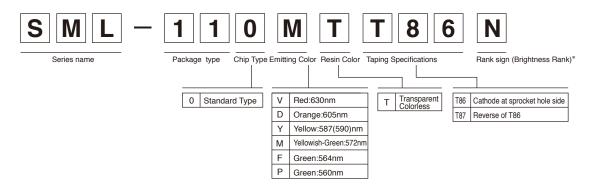
Yellow (Y)

										(Ta=25 C,	IF=20MA)
	Package	Luminous	G	Н	J	K	L	M	N	Р	Q
	size(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,	I _F =20mA)
	Package	Luminous	F	G	Н	J	K	L	M	N	Р	Q
			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-1	110MT		
Side View (reflector)	3020	1.6						SML-	110FT			
(101100101)							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 distributer if necessary.

Notes

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