



# 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









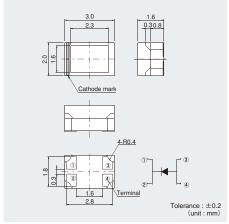


# **Specifications**

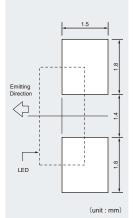
			Absolute Maximum Ratings (Ta=25°C)							Electrical and Optical Characteristics (Ta=25°C)									
Part No.	Chip Structure	Emitting Color	Power Dissipation PD(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)							Max.*2	th λD	Lumino Min. (mcd)		
			PD(mvv)	IF(MA)	IFP(MA)	VR(V)	Topr(C)	TSIG(C)	. ) [ . ( . )	(,	(μA)	(.,	(nm)	(nm)	(nm)	()	(mca)	(mca)	()
SML-110VT		Red							2.0				625	630	635		2.2	6.3	
SML-110DT	GaAsP on GaP	on GaP Yellow		25	60*1	4	-30 to +85	-40 to +85	2.0				602	605	608		3.6	10	
SML-110YT									2.1	20	100	0 4	587	590	593	20	2.2	6.3	20
SML-110MT		Yellowish Green	/0	25	00					20	100		569	572	575	20	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	

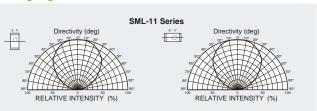
\*1:Duty1/5, 200Hz / \*2:Reference

## **Dimensions**



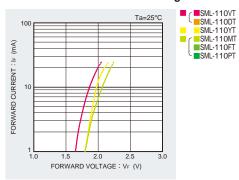
## Recommended Solder Pattern Viewing Angle



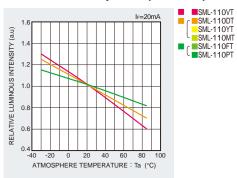


# **Electrical Characteristics Curves**

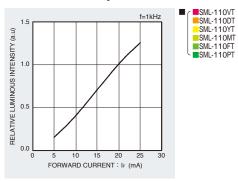
# Forward Current-Forward Voltage



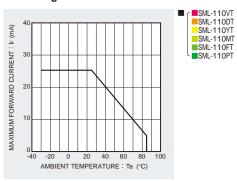
## Luminous Intensity-Atmosphere Temperature



# Luminous Intensity-Forward Current



# Derating



# **Rank Reference of Brightness**

## Red (V)

											(Ta=25°C,	$I_F=20mA$
Г		Package	Luminous	G	Н	J	K	L	M	N	P	Q
1		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-	110VT				

# Orange (D)

_ c.u.ig.	(-)									(Ta=25°C,	IF=20mA)
	Package	Luminous	G	Н	J	K	L	M	N	Р	Q
	cize(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					

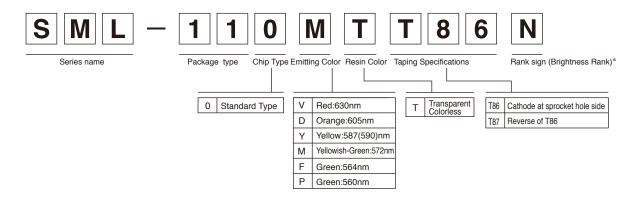
## Yellow (Y)

	Package	Luminous Intensity	G	Н	J	K	L	M	N	Р	Q			
			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)

										(	1a=25 C,	IF=20mA)		
	Package	Luminous Intensity	F	G	Н	J	K	L	М	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-110MT					
Side View (reflector)	3020	1.6						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.

Please contact the nearest sales office or distributer if necessary.

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