

SML-D12 Series

1608(0603) 1.6×0.8mm(t=0.55mm)

Features

·Original device technology enables high brightness and high reliability.



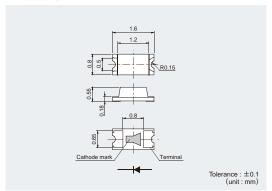


Specifications

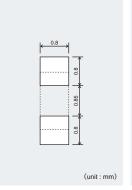
	Chip Structure	Emitting Color		Electrical and Optical Characteristics (Ta=25°C)															
Part No.			Power Dissipation PD(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(°C)		T	Voltage VF	N.4				May *2		Min	Tim	IF(mA)
SML-D12Y3W	AlGalnP on GaAs	Yellow	54	20	100*1	5	-40 to +85	-40 to +100	2.2	2.2 20	10	_	578	581	584	20	16	40	40 18
■SML-D12FW		Green	67	25	100						10	3	563	564.5	566	20	14	18	

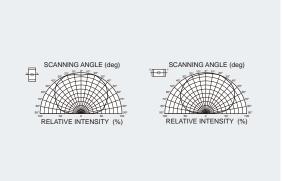
*1:Duty1/10, 1kHz / *2:Reference

Dimensions



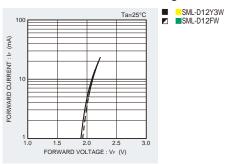
Recommended Solder Pattern Viewing Angle



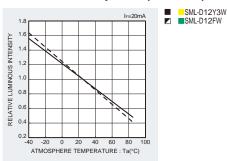


Electrical Characteristics Curves

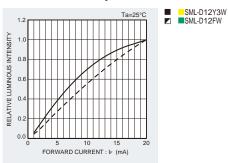
Forward Current-Forward Voltage



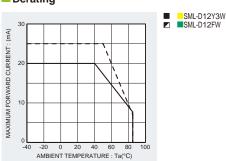
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

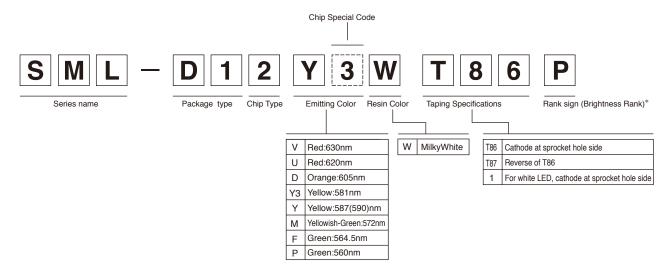
Yellow (Y)

															(Ta=25 C)
	Package	Height(mm)	Luminous	Н	J	K	L	М	Ν	Р	Q	R	S	Т	U
	size(mm)	neigni(mm)	I _F (mA) (mcd)	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
Mini-mold Chip LEDs	1608	0.55	20							SML-D	12Y8W				

Green (F)

																(Ta=25°C)
	Package size(mm)	H-2-b-()	Lum	nous nsity	L1	L2	M1	M2	N1	N2	P1	P2	Q1	Q2	R1	R2
			I _F (mA)	(mod)	5.6 to 7.1	7.1 to 9	9 to 1	11 to 14	14 to 18	18 to 22	22 to 28	28 to 36	36 to 45	45 to 56	56 to 71	71 to 90
Mini-mold Chip I FDs	1608	0.55	20							SML-D12FW						

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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