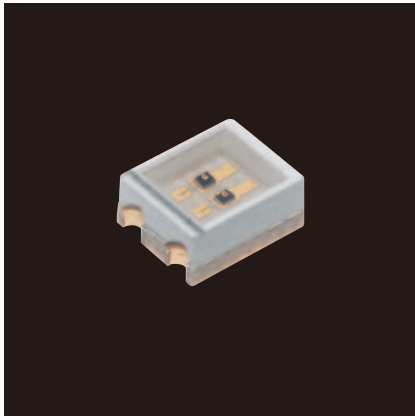




SML-02 Series

3025(1210)
 3.0×2.5mm(t=1.3mm)

Features

•2-color type with reflector (standard)

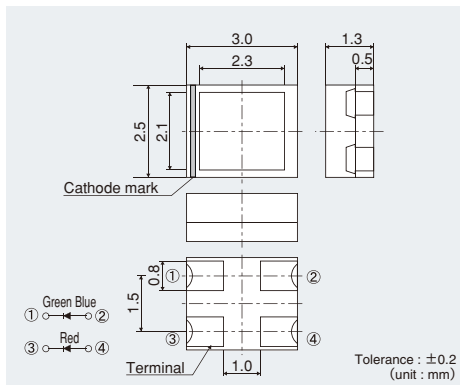
Color Type   

Specifications

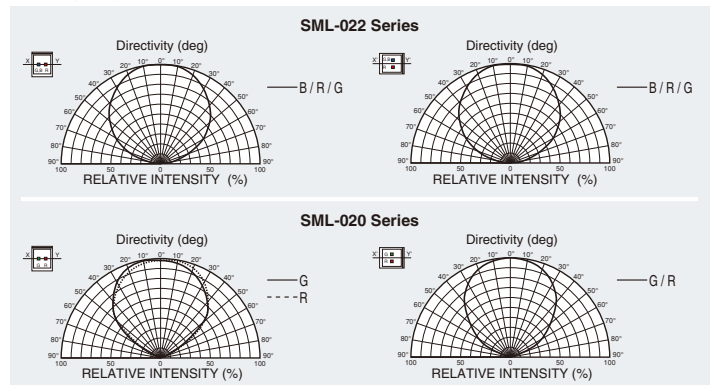
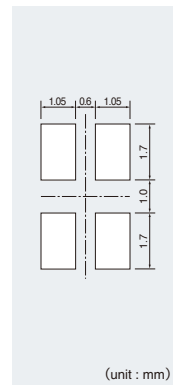
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)									
			Power Dissipation Pd(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage VF Typ. (V)	IF(mA)	Reverse Current IR Max. (μA)	VR(V)	Dominant Wavelength λD Min.*3 (nm)	Typ. (nm)	Max.*3 (nm)	Luminous Intensity Iv Min. (mcd)	Typ. (mcd)	IF(mA)
 SML022BUT	InGaP	Blue	120	30	80 ⁺²	5		-40 to +100	3.2			5	464	470	476	56	140	
	AlGaInP on GaAs	Red	75						2				619	624	629			
 SML-020MVT	GaAsP on GaAs	Green	60	25	60 ⁺¹		-30 to +85	-40 to +85	2.2	20	100	4	569	572	575	9	20	20
		Red							2				625	630	635			
 SML-022ML8T	AlGaInP on GaAs	Green	52	20	60 ⁺²	4		-40 to +100	2.1				569	572	575	16	40	
		Red											630	635	640			

*1:Duty1/5, 200Hz *2:Duty1/10, 1kHz *3:Reference

Dimensions

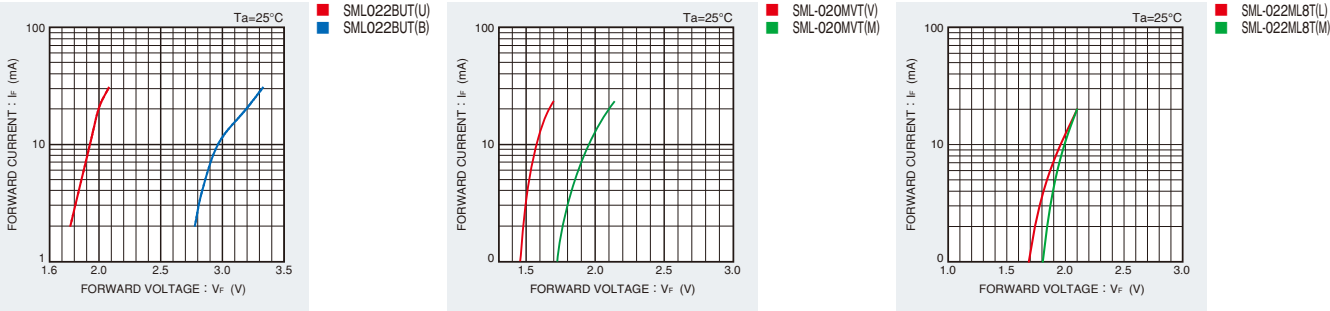


Recommended Solder Pattern Viewing Angle

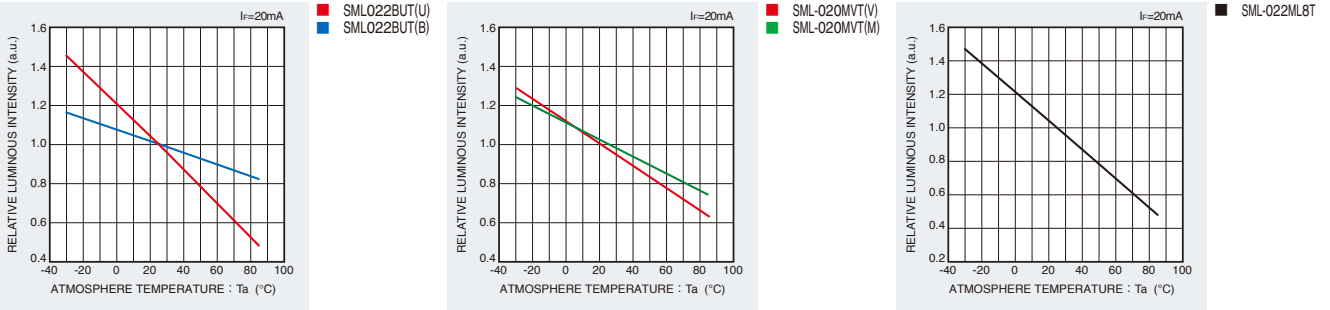


Electrical Characteristics Curves

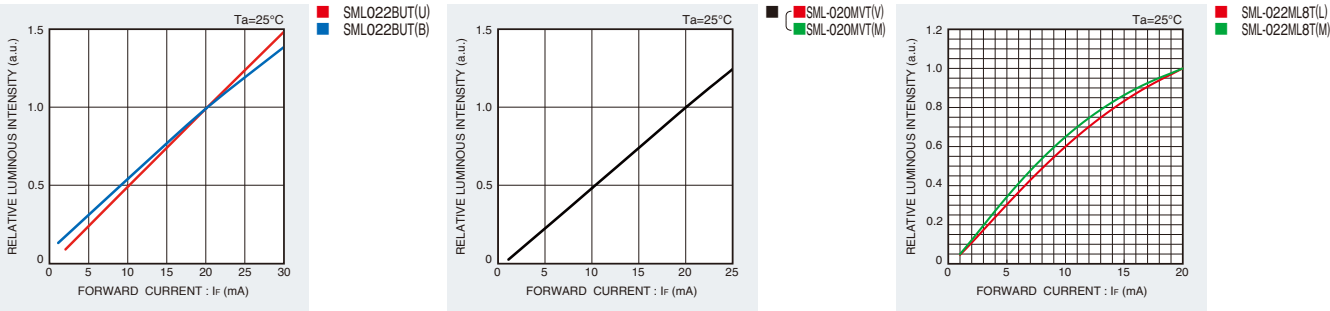
Forward Current-Forward Voltage



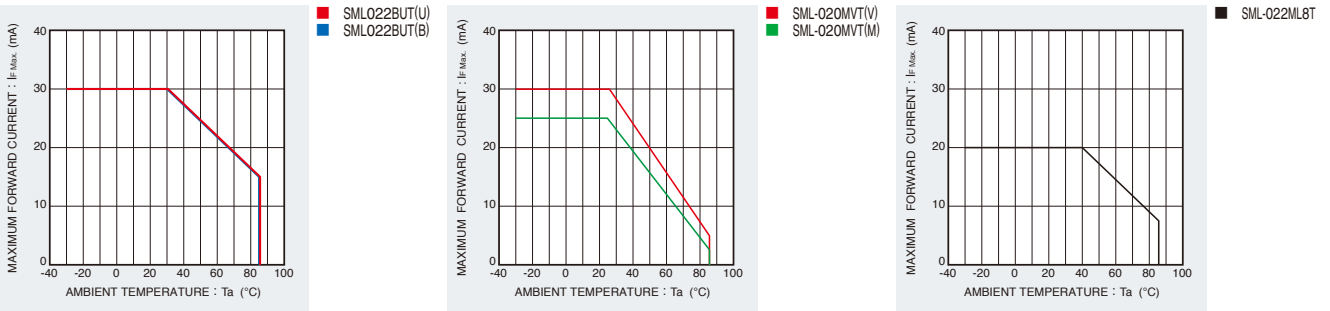
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



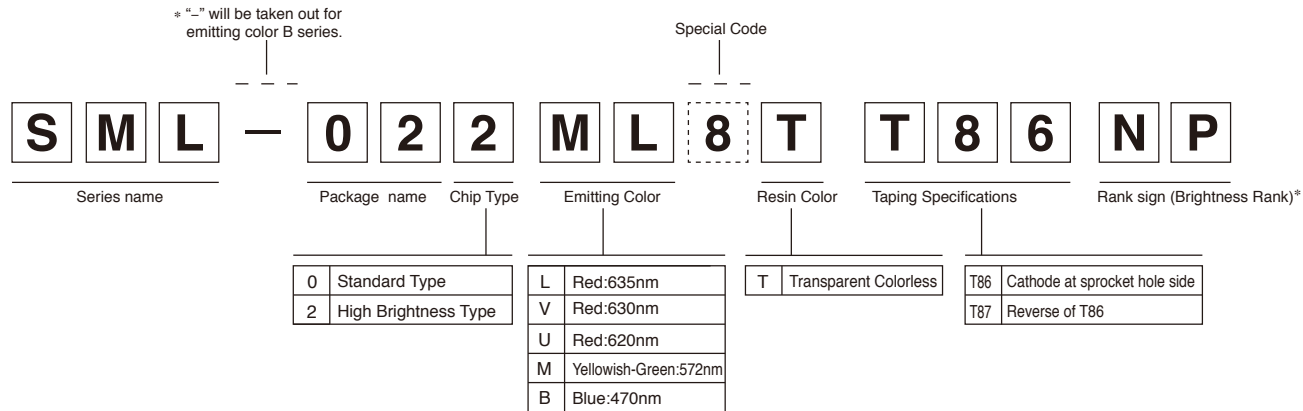
Rank Reference of Brightness

Dual Color

Ta=25°C, If=20mA																
Package size (mm)	Height (mm)	Part No.	Luminous Intensity (mcd) Emitting Color	K	L	M	N	P	Q	R	S	T	U			
				4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	90 to 140	140 to 220	220 to 360			
Chip LEDs with Reflector	3025	1.3	SML022BUT	Red								U				
				Blue												
			SML-020MVT®	Red	V								B			
				Green			M									
			SML-022ML8T	Red			L									
				Green				M								

※Brightness on specification sheet include tolerance of within ± 10%.

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.

Notes

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