

SML-21 Series

2012(0805)
2.0 × 1.25mm (t=0.8mm)

Features

- Abundant color variations with diverse luminous intensity types

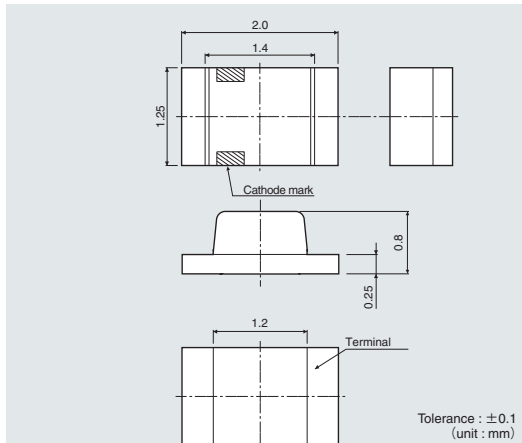


Specifications

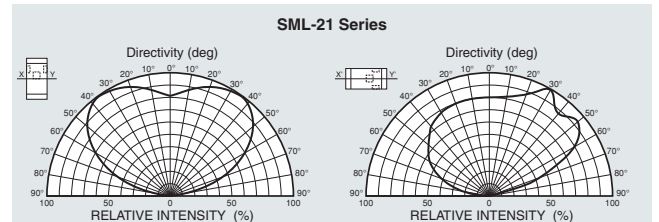
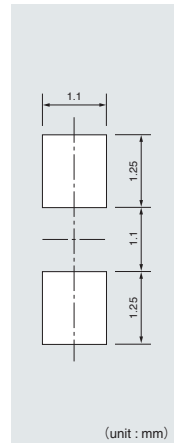
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)											
			Power Dissipation Pd (mW)	Forward Current IF (mA)	Peak Forward Current I _{FP} (mA)	Reverse Voltage VR (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage VF		Reverse Current IR		Dominant Wavelength λ D			Luminous Intensity Iv				
								Typ. (V)	IF (mA)	Max. (μA)	VR (V)	Min.*3 (nm)	Typ. (nm)	Max.*3 (nm)	I _F (mA)	Min. (mcd)	Typ. (mcd)	I _F (mA)		
■ SML-212VT	AlGaInP on GaAs	Red	75	30	60*1	4	-30 to +85	-40 to +85	2.05	20	100	4	625	630	635	20	22	63		
■ SML-210VT	GaAsP on GaP		70	25																
■ SML-212U2T(A)			75	30	100*2	5	-40 to +100	-40 to +100	2		10	5	611	615	619		71	140		
■ SML-211UT	AlGaInP on GaAs	Orange	44	20	60*1	4	-30 to +85	-40 to +85	1.8	2	100	4	615	620	625	2	0.9	2.5	2	
■ SML-212DT			75	30													2.05	20		
■ SML-211DT			44	20					1.8	2			602	605	608		0.9	2.5	2	
■ SML-210DT	GaAsP on GaP	Yellow	70	25	60*1	4	-30 to +85	-40 to +85	2	20	10	5	587	590	593	20	2.2	6.3	20	
■ SML-212WT(A)			75	30					100*2								5	-40 to +100		-40 to +100
■ SML-211WT	AlGaInP on GaAs		44	20					1.8	2						2	1.4	4	2	
■ SML-212YT		75	30					2.05	20						20	22	63	20		
■ SML-211YT		44	20	60*1	4	-30 to +85	-40 to +85	1.8	2	100	4	584	587	590	2	1.4	4	2		
■ SML-210YT	GaAsP on GaP	70	25													2.1				
■ SML-210MT	GaP	Yellowish Green	70	25					2.2	20			567	570	573	20	3.6	16	20	
■ SML-210PT		Green											557	560	563		1.4	4		

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

Dimensions

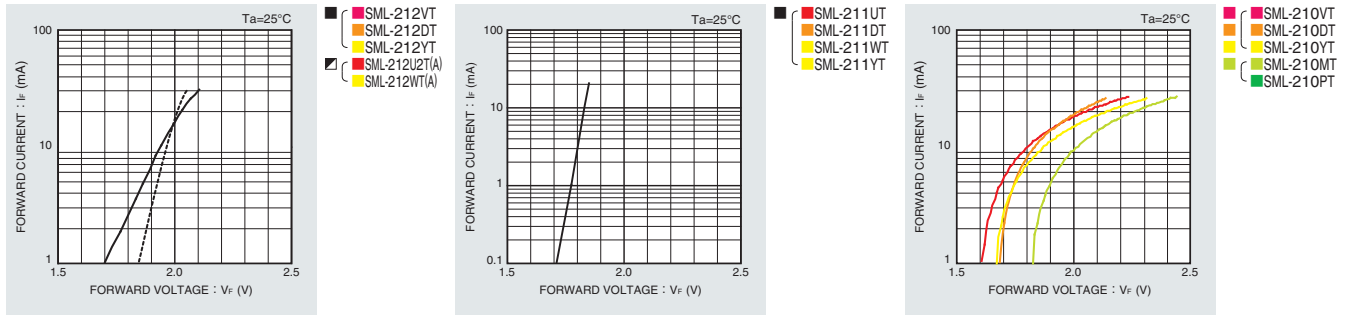


Recommended Solder Pattern Viewing Angle

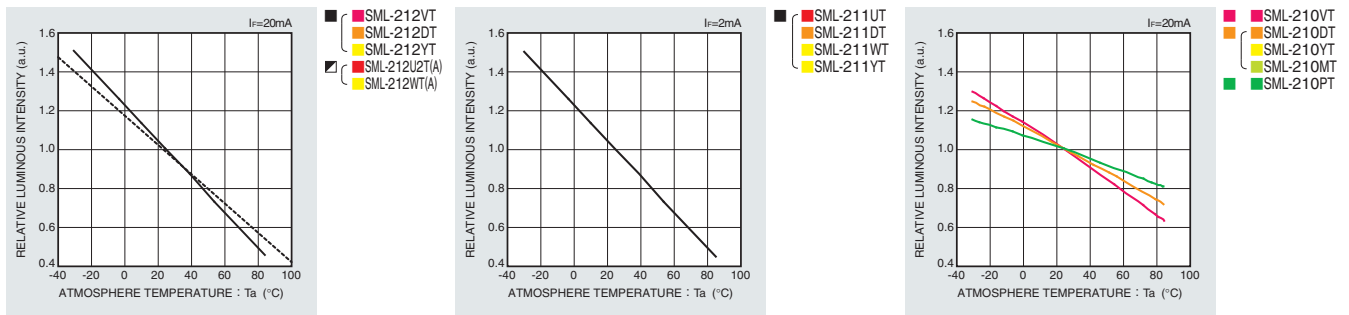


Electrical Characteristics Curves

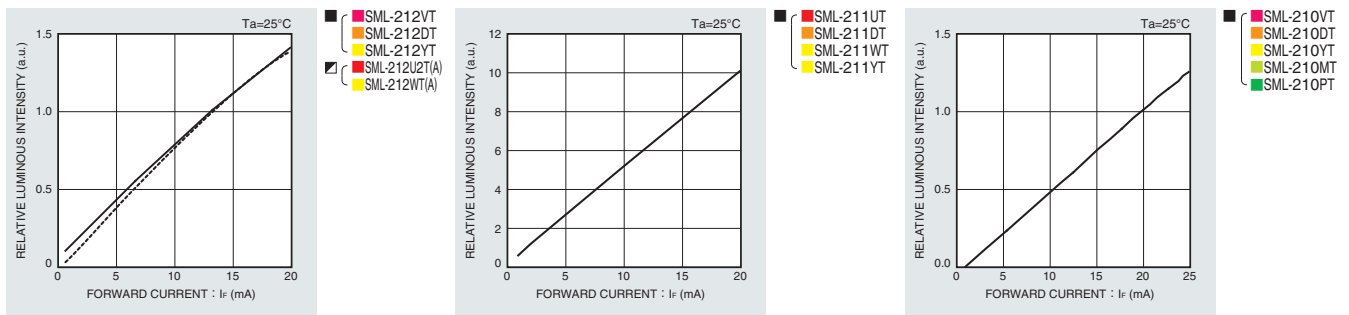
Forward Current-Forward Voltage



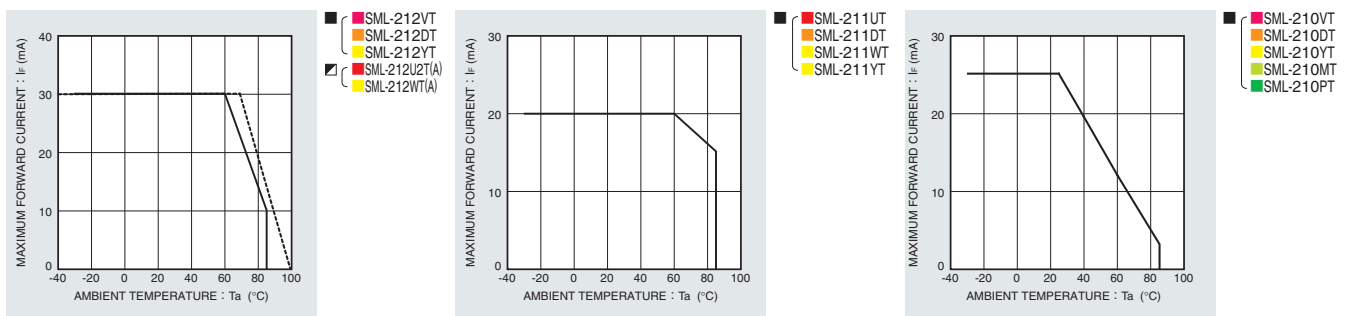
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Notes

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