

SML-51 Series

1608(0603) 1.6×0.8mm(t=0.55mm)

Features

- ·Original device technology enables high brightness and high reliability
- ·High reliability due to the wide operation temperature(- 40° C to + 100° C) (SML-512(A) Series)









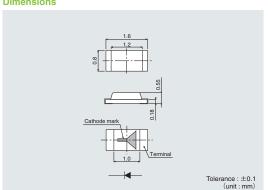


Specifications

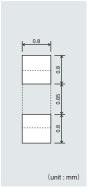
	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)							Electrical and Optical Characteristics (Ta=25°C)									
Part No.			Power Dissipation PD(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)		/oltage VF IF(mA)	Reverse (Max. (μA)	VR(V)	Domin Min.*3 (nm)	ant Wa Typ. (nm)	veleng Max.* ³ (nm)		Lumino Min. (mcd)		IF(mA)
SML-512VW(A)													000	000	000		35.5	56	
SML-512VW		Red	75	30	100*2	5	-40 to +100	-40 to +100			10	5 626	626	630	636		-00	-00	
SML-512UW													619	624	629		22	63	
SML-511UW			62	25	60*1	4	-30 to +85	-40 to +85			100	4	615	620	625		14	40	
SML-512CW(A)	Yellor Gre Gre	Orange	75	30	100*2	5	-40 to +100	-40 to +100	2.0		10	5	600	603	606		71	112	
SML-512DW										20	10		603	606	609	20	36	100	20
SML-511DW			62	25	60* ¹	4	-30 to +85	-40 to +85			100	4	602	605	608		14	40	
SML-512WW		Yellow	75	30	100*2	5	-40 to +100	-40 to +100			10	5	587	590	593		36	63	
SML-511WW			62		60* ¹	4	-30 to +85	-40 to +85				4	567	590			22	40	
SML-512MW		Yellowish Green	Green 65	25					2.1		100		567	570	575		14		
SML-512PW(A)		Green			100*2	5	-40 to +100	-40 to +100			100	5	557	560	563		5.6	14	
SML512BC5T		Blue	66	20					2.9	5			464	470	476	5	3.0	16	5

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

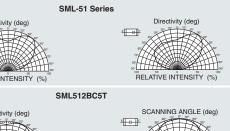
Dimensions



Recommended Solder Pattern Viewing Angle

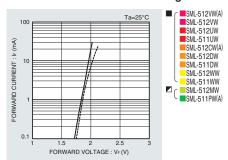


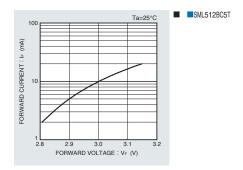
Directivity (deg)



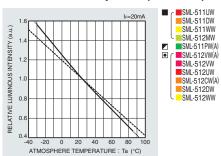
Electrical Characteristics Curves

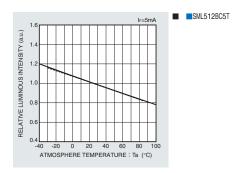
Forward Current-Forward Voltage



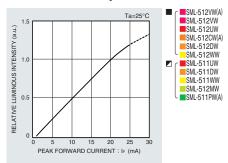


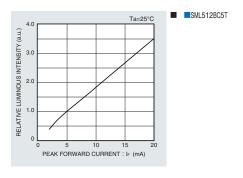
Luminous Intensity-Atmosphere Temperature



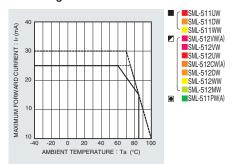


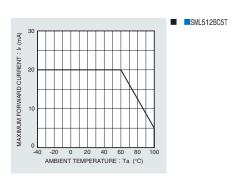
Luminous Intensity-Forward Current





Derating





Notes

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