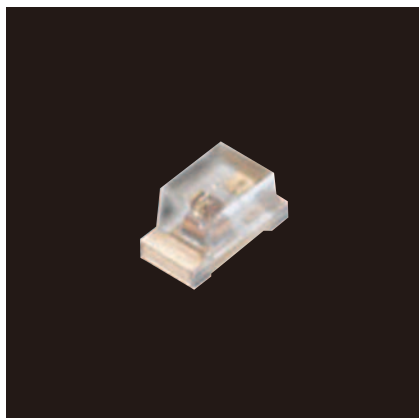




SML-31 series

1608(0603)
 1.6×0.8mm(t=0.8mm)

Features

- 1608 standard size(1.6×0.8mm, t=0.8mm)
- Abundant color variations with diverse luminous intensity types

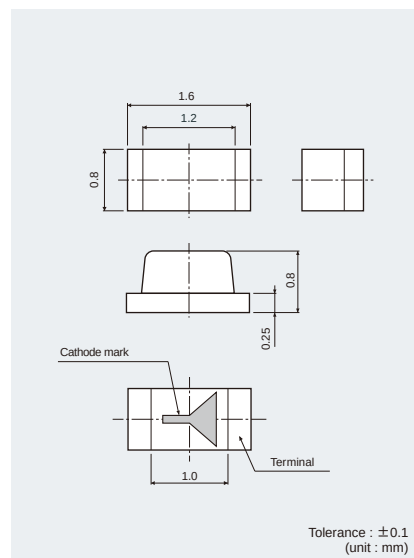
Color Type	V	U	D	Y
W	M	P	E	B

Product Specifications

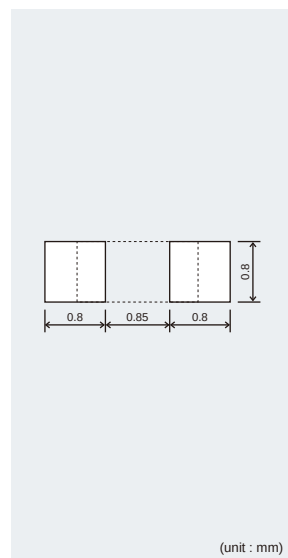
Part No.	LED chip	Emitting color	Absolute maximum ratings (Ta=25℃)						Electrical and optical characteristics (Ta=25℃)											
			Power dissipation P _D (mW)	Forward current I _F (mA)	Peak forward current I _{FP} (mA)	Reverse voltage V _R (V)	Operating temperature Topr(℃)	Storage temperature Tstg(℃)	Forward voltage V _F Typ. (V)	I _F (mA)	Reverse current I _R Max. (μA)	V _R (V)	Dominant wavelength λ _D (nm)			I _F (mA)	Luminous intensity I _v (mcd)			
SML-310VT	GaAsP on GaP	Red	55						2	20			625	630	635	20	1.4	4	20	
SML-311UT	AlGaInP on GaAs		Orange	44						1.8	2			615	620	625	2	0.9	2.5	2
SML-311DT																				
SML-310DT	GaAsP on GaP		55						2	20			602	605	608	20	2.2	6.3	20	
SML-311WT	AlGaInP on GaAs	Yellow	44		60 _{※1}	4		-40 to +85	1.8	2		4	587	590	593	2	0.9	2.5	2	
SML-311YT																				
SML-310YT	GaAsP on GaP			20				-30 to +85	2.1		100		584	587	590		2.2	6.3		
SML-310MT	GaP	Yellowish Green	55						2.2				567	570	573		3.6	16		
SML-310PT		Green												557	560	563		1.4	4	
SML312ECT	InGaN	Bluish Green							3.3	20			520	527	535	20	90	200	20	
SML312EC4T										3.2				525				36	90	
SML312BCT		Blue		84		100 _{※2}	5		-40 to +100	3.3		5		464	470	476		22	63	
SML312BC4T											3.2								46	

※1:Duty1/5, 200Hz / ※2:Duty1/10, 1kHz

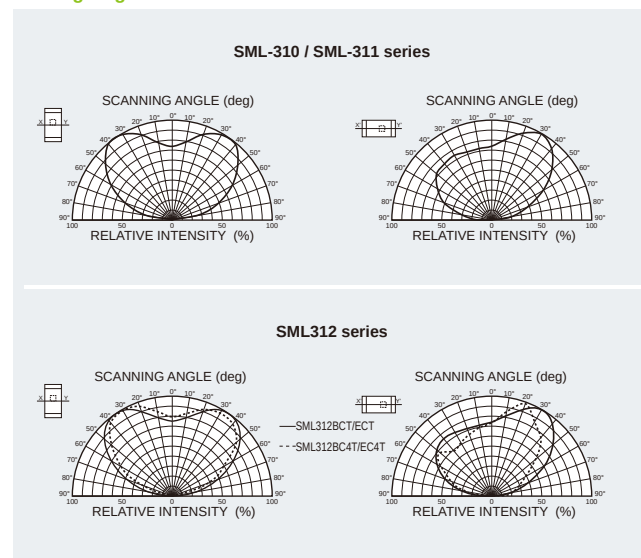
Dimensions



Recommended Solder Pattern

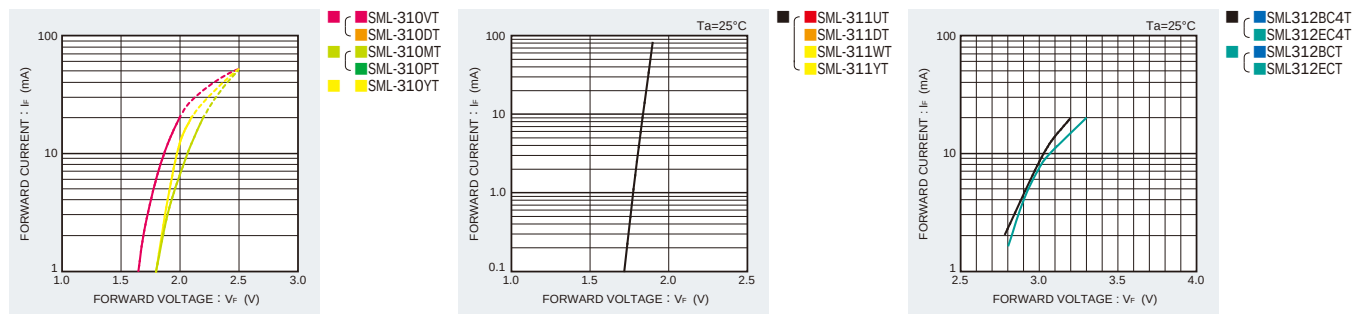


Viewing Angle

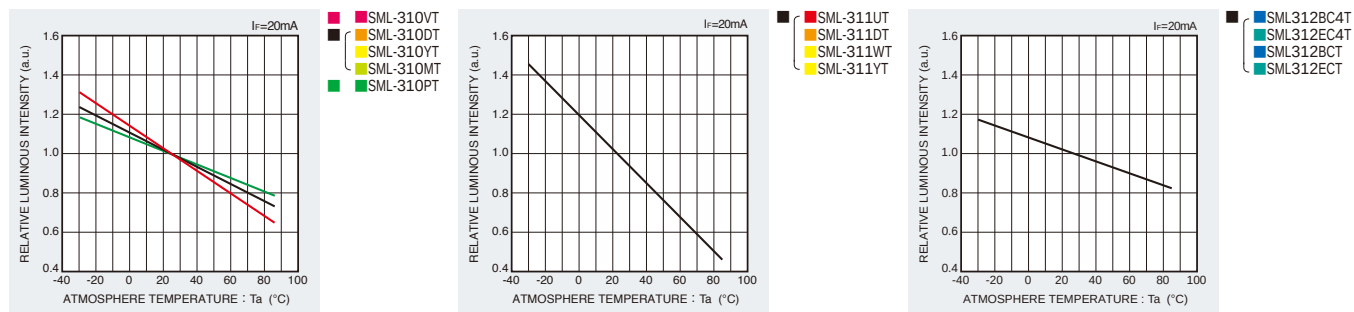


Electrical Characteristics Curves

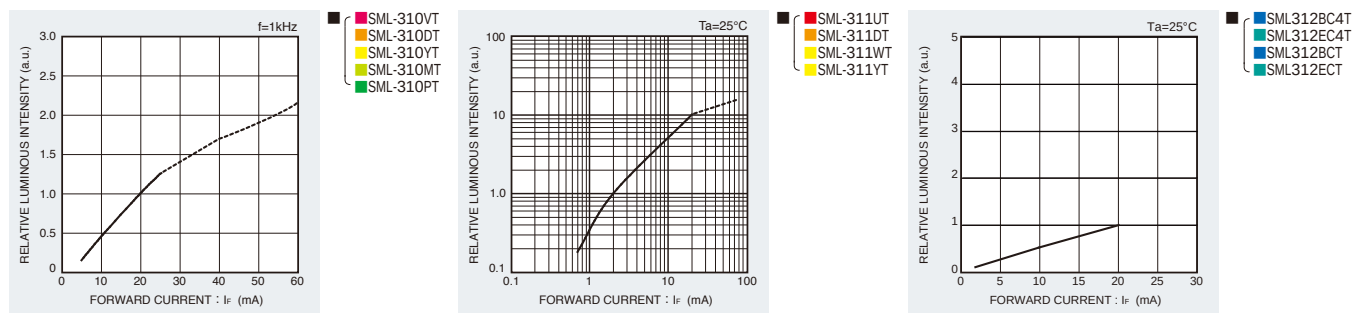
Forward Current-Forward Voltage



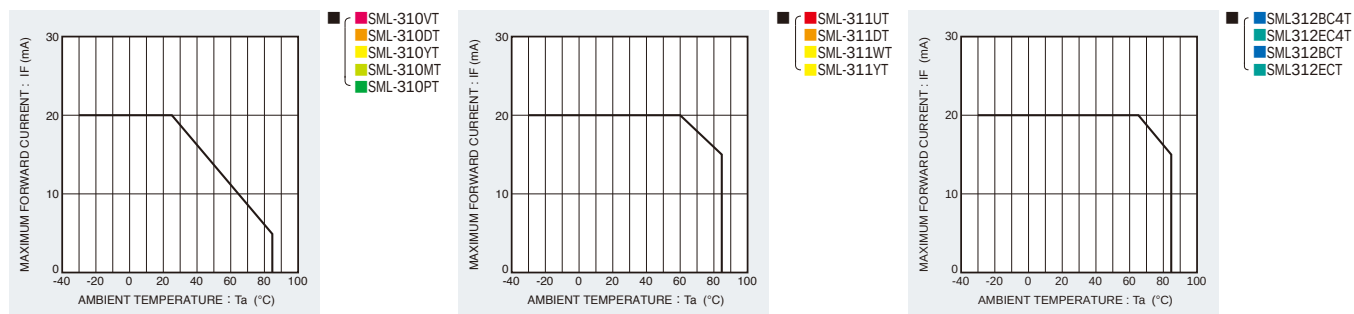
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Deratings



Notes

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