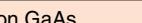


Chip LEDs with Reflector 1208<3.0×2.0 t=1.3mm> Standard Type

SML-012*8 Series

EXCELED™

Tentative Spec

Emitting Color	Pure Green	Green(Yellowish Green)	Yellow	Orange	Red	
Material	AlGaNp on GaAs					
Package Size(mm)	3020(1208) 3.0X2.0(t=1.3)					
Part No.	SML-012P8T	SML-012M8T	SML-012Y8T	SML-012D8T	SML-012U8T	SML-012V8T

note) "-" will be taken out for emitting color B/E series

■ Absolute Maximum Ratings (Ta=25°C)

Part No.	Emitting color	Power dissipation P_D (mW)	Forward current I_F (mA)	Peak forward current I_{FP} (mA)	Reverse voltage V_R (V)	Operating temperature T_{opr} (°C)	Storage temperature T_{stg} (°C)
SML-012P8T	Pure Green						
SML-012M8T	Green (Yellowish Green)						
SML-012Y8T	Yellow						
SML-012D8T	Orange	54	20	100	5	-40 to +85	-40 to +100
SML-012U8T	Red						
SML-012V8T	Red						

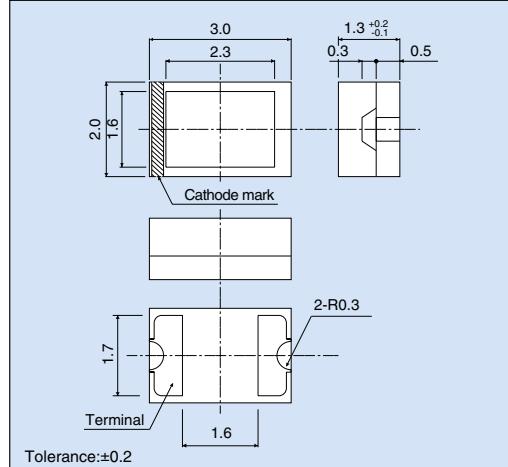
*:Duty \leq 1/10, 1KHz.

■ Electrical Optical Characteristics (Ta=25°C)

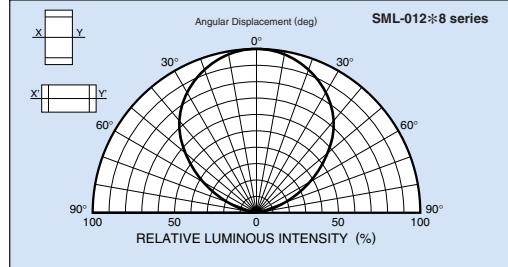
Part No.	Resin Color	Forward voltage V_F		Reverse current I_R		Light wavelength Dominant λ_D		Brightness I_V		
		Typ. (V)	I_F^* (mA)	Max. (μA)	V_R (V)	Typ. (nm)	I_R^* (mA)	Min. (mcd)	Typ. (mcd)	I_V^* (mA)
SML-012P8T	Transparent Colorless	2.2	20	10	4	560		2.5	6.3	
SML-012M8T						572		10	25	
SML-012Y8T						590	20	63	160	20
SML-012D8T						605				
SML-012U8T						620		40	100	
SML-012V8T						630		25	63	

*Pulse width : 30ms

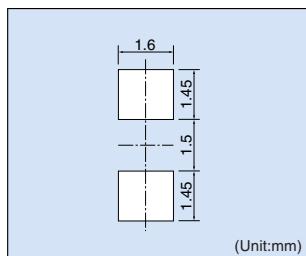
■Dimensions (Unit:mm)



■ Directivity (Typ.)



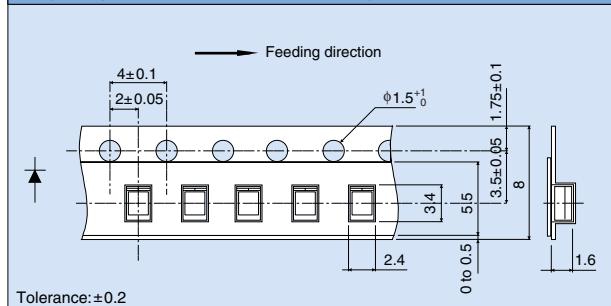
■ Recommended Pad Layout



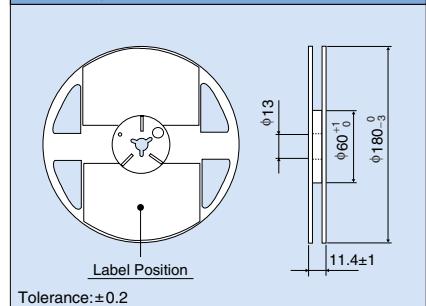
The recommended thickness of the screen mask for soldering is between 100 and 150 μm . The hole size of the screen mask should be same as the recommended land pattern or smaller.

■ Packaging Specifications (Unit:mm)

Tape Specifications:T86 <2,500pcs:reel>



Reel Specifications



Appendix

Notes

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