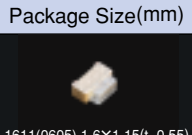



Side View Chip LEDs 0605 <1.6×1.15 t=0.55mm> Standard Type

SML-A10 Series

Side View

Emitting Color	Green(Yellowish Green)
Material	GaP
Package Size(mm)	
	
Part No.	SML-A10MT

Absolute Maximum Ratings (Ta=25°C)

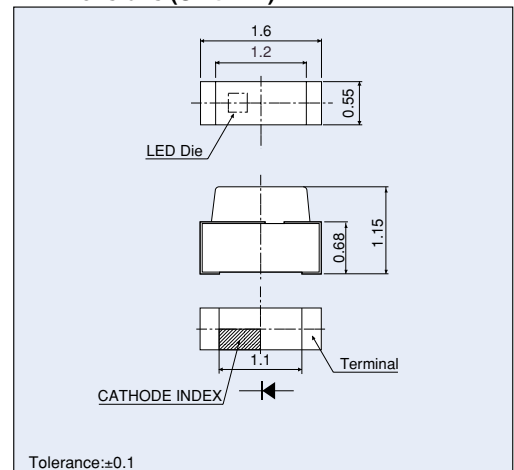
Part No.	Emitting color	Power dissipation P _D (mW)	Forward current I _F (mA)	Peak forward current * I _{FP} (mA)	Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)
SML-A10MT	Green (Yellowish Green)	55	20	60	4	-30 to +85	-40 to +85

*:Duty ≤ 1/5, pulse width ≤ 1ms.

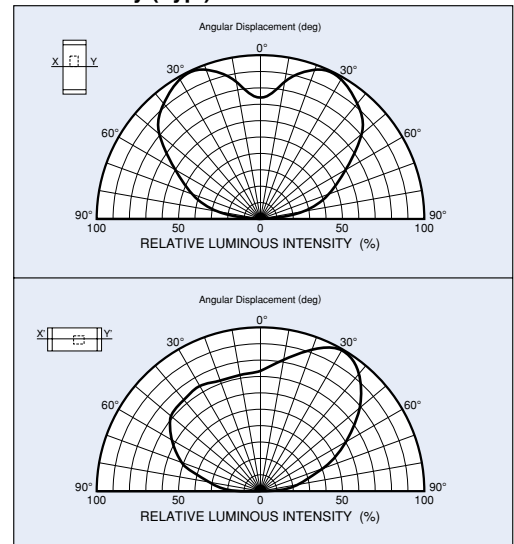
Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage V _F		Reverse current I _R		Light wavelength			Brightness I _v		
		Typ. (V)	I _F (mA)	Max. (μA)	V _R (V)	Peak λ _p (nm)	Half-wave Δλ (nm)	I _F (mA)	Min. (mcd)	Typ. (mcd)	I _F (mA)
SML-A10MT	Transparent Colorless	2.2	20	100	4	570	40	20	3.6	16	20

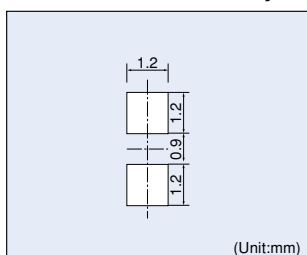
Dimensions (Unit:mm)



Directivity (Typ.)

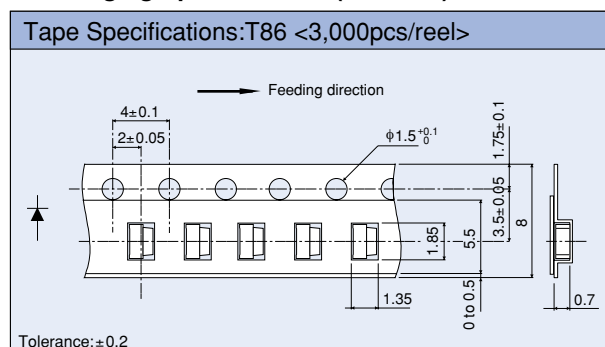


Recommended Pad Layout

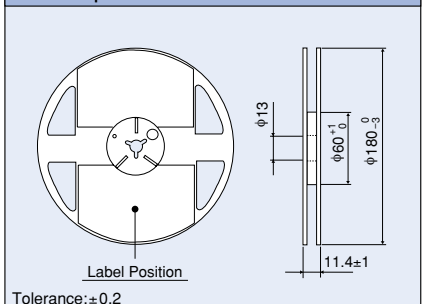


The recommended thickness of the screen mask for soldering is more than 150μm. The hole size of the screen mask should be same as the recommended land pattern or smaller.

Packaging Specifications (Unit:mm)

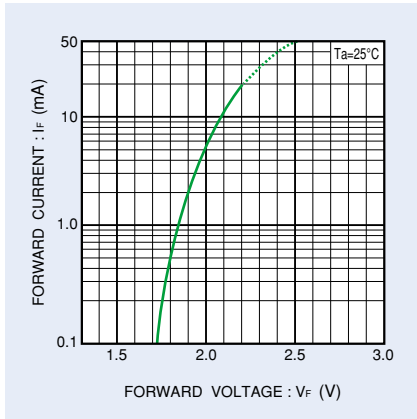


Reel Specifications



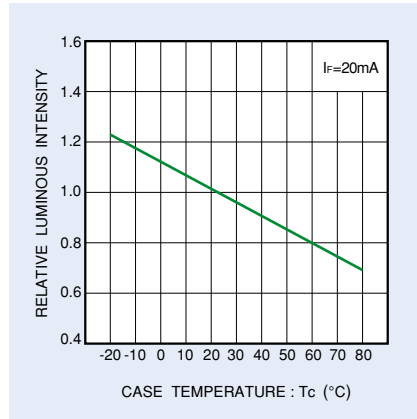
Electrical Characteristic Curves

Forward Current - Forward Voltage



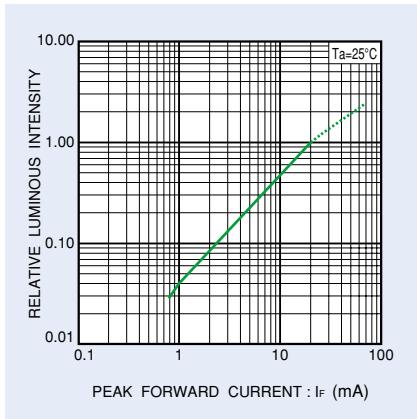
SML-A10MT

Relative Luminous Intensity - Case Temperature



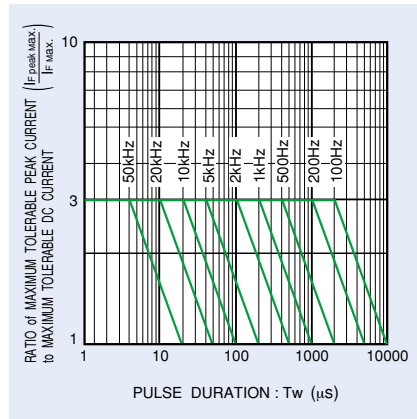
SML-A10MT

Relative Luminous Intensity - Forward Current



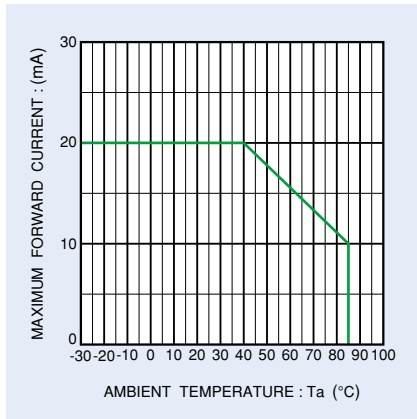
SML-A10MT

Ratio of Maximum Tolerable Peak Current - Pulse Duration



SML-A10MT

Derating



SML-A10MT

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