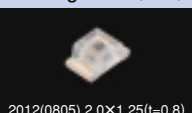
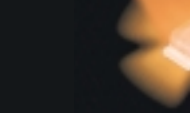
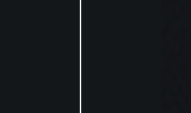


# 0805<2.0×1.25 t=0.8mm> Low Current Type( $I_F \leq 10\text{mA}$ )

## SML-211 Series

Emitting Color	Yellow		Orange		Red	
Material			AlGaInP on GaAs			
Package Size(mm)						
	2012(0805) 2.0×1.25(t=0.8)					
Part No.	SML-211YT		SML-211WT		SML-211DT	

### Absolute Maximum Ratings (Ta=25°C)

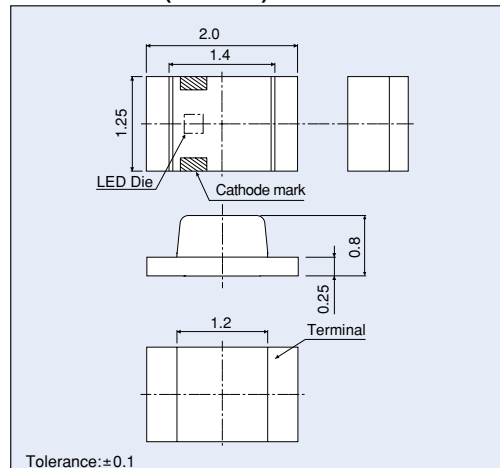
Part No.	Emitting color	Power dissipation $P_D$ (mW)	Forward current $I_F$ (mA)	Peak forward current * $I_{FP}$ (mA)	Reverse voltage $V_R$ (V)	Operating temperature $T_{opr}$ (°C)	Storage temperature $T_{stg}$ (°C)
SML-211YT	Yellow	44	20	60	4	-30 to +85	-40 to +85
SML-211WT							
SML-211DT	Orange						
SML-211UT	Red						

\*:Duty  $\leq 1/5$ , pulse width  $\leq 1\text{ms}$ .

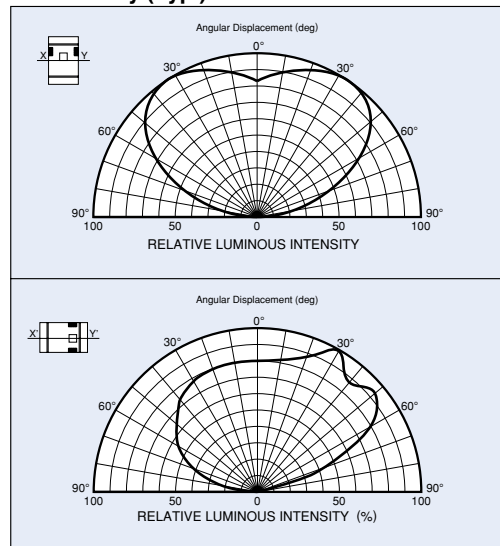
### Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage $V_F$		Reverse current $I_R$		Light wavelength		Brightness $I_v$			
		Typ. (V)	$I_F$ (mA)	Max. ( $\mu\text{A}$ )	$V_R$ (V)	Peak $\lambda_p$ (nm)	Half-wave $\Delta\lambda$ (nm)	$I_F$ (mA)	Min. (mcd)	Typ. (mcd)	$I_F$ (mA)
SML-211YT	Transparent Colorless	1.8	2	100	4	590	15	2	1.4	4	2
SML-211WT						611	16		0.9	2.5	
SML-211DT						630	18				
SML-211UT											

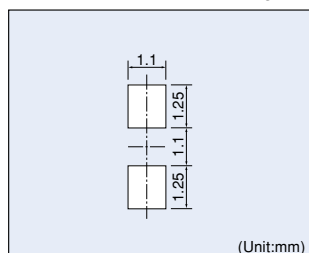
### Dimensions (Unit:mm)



### Directivity (Typ.)

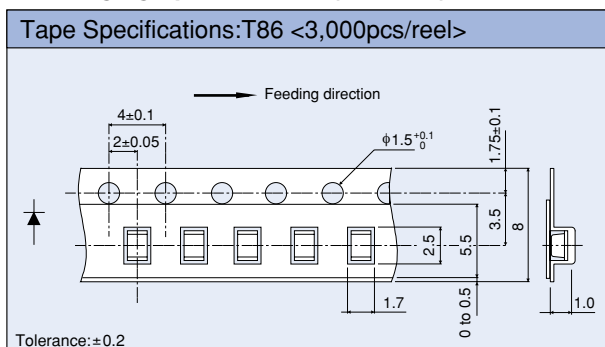


### Recommended Pad Layout

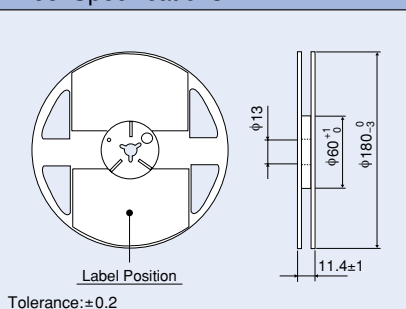


The recommended thickness of the screen mask for soldering is between 100 and 150  $\mu\text{m}$ . The hole size of the screen mask should be same as the recommended land pattern or smaller.

### Packaging Specifications (Unit:mm)

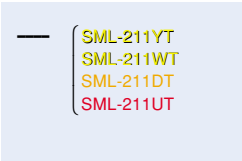
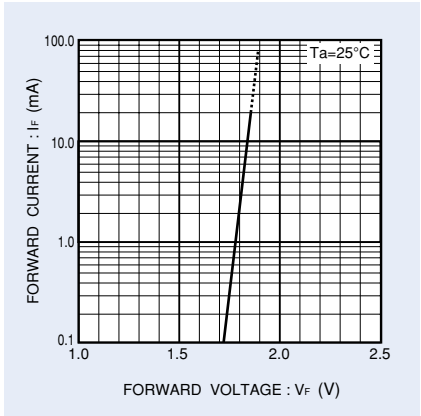


### Reel Specifications

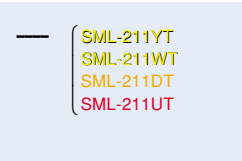
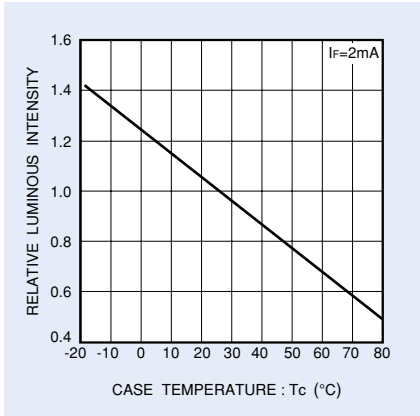


■Electrical Characteristic Curves

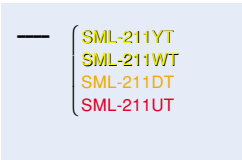
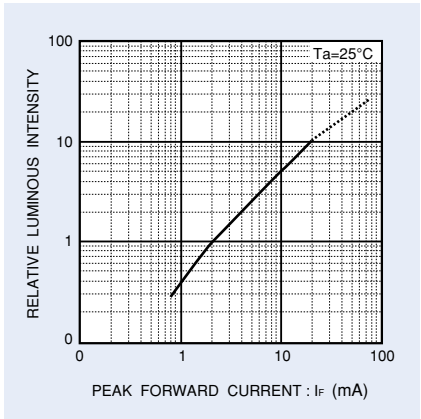
Forward Current - Forward Voltage



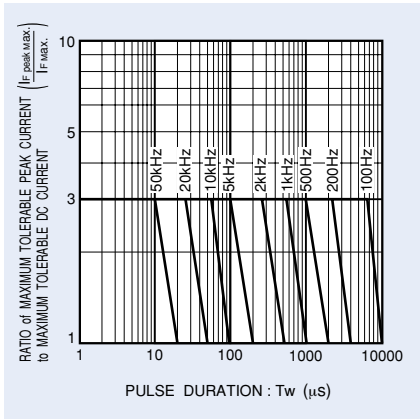
Relative Luminous Intensity - Case Temperature



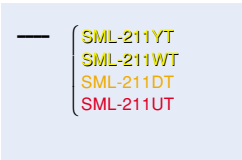
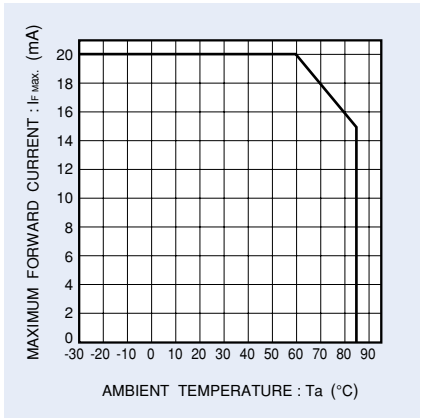
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



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