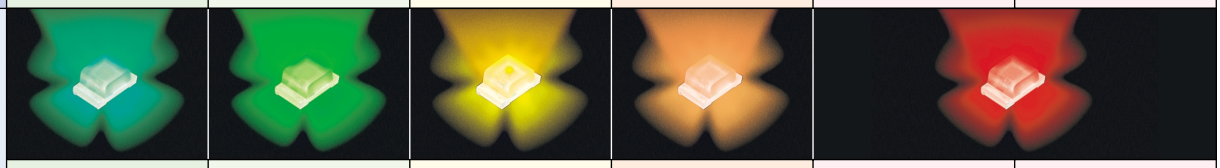
Standard Type　Mini-molded chip LEDs

SML-210 Series

Package Size (mm)	Pure Green	Green	Yellow	Orange	Red	
	GaP			GaAsP on GaP		GaAlAs on GaAs
	555nm	570nm	585nm	610nm	650nm	660nm
2012 (0805) 2.0x1.25 t=0.8						
	SML-210PT	SML-210MT	SML-210YT	SML-210DT	SML-210VT	SML-210LT

■ Absolute Maximum Ratings (Ta=25℃)

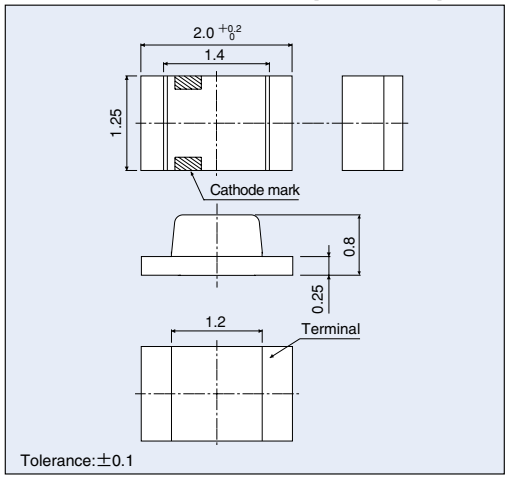
Part No.	Emitting color	Power dissipation P_D (mW)	Forward current I_F (mA)	Peak forward current ＊I_{FP} (mA)	Reverse voltage V_R (V)	Operating temperature T_{opr} (°C)	Stotage temperature T_{stg} (°C)
SML-210PT	Pure Green						
SML-210MT	Green						
SML-210YT	Yellow	70	25	60	4	-30 to +85	-40 to +85
SML-210DT	Orange						
SML-210VT	Red						
SML-210LT	Red	75	30	75			

＊I_{FP} measured under duty ≦1/ 5,pulse width ≦1ms.

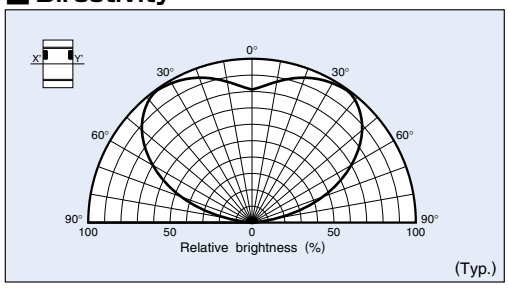
■ Electrical Optical Characteristics (Ta=25℃)

Part No.	Resin Color	Forward voltage V_F		Reverse current I_R		Light wavelength Peak λp	Light wavelength Half-wave $\Delta\lambda$		Brightness I_V		
		Typ. (V)	I_F (mA)	Max. (μA)	V_R (V)	Typ. (nm)	Typ. (nm)	I_F (mA)	Min. (mcd)	Typ. (mcd)	I_F (mA)
SML-210PT	Transparent Clear	2.2	20	100	4	555	40	20	1.4	4	20
SML-210MT						570			3.6	16	
SML-210YT		2.1				585			2.2	6.3	
SML-210DT		2.0				610					
SML-210VT						650			1.4	4	
SML-210LT		1.75				660	25		3.6	10	

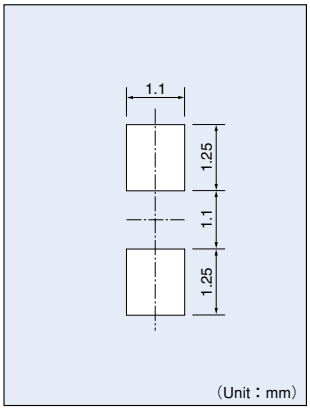
■ External Dimensions (Unit : mm)



■ Directivity



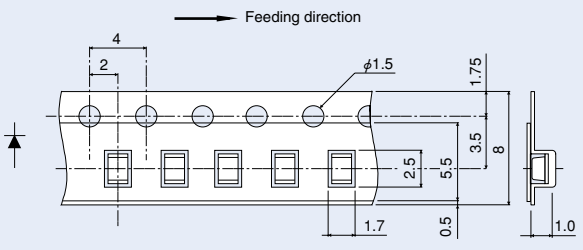
■ Recommemded Pad Layout



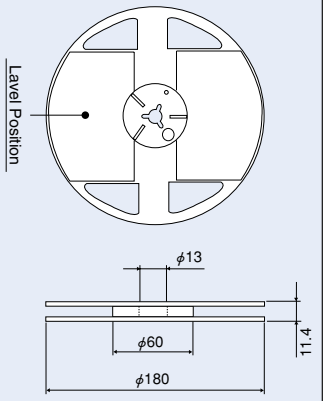
The recommended thickness of the screen mask for soldering is between 100 and 200μm. The hole size of the screen mask should be same as the recommended land pattern or smaller.

■ Packaging Spacifications (Unit : mm)

Tape Spacifications : T86 〈3,000pcs／reel〉

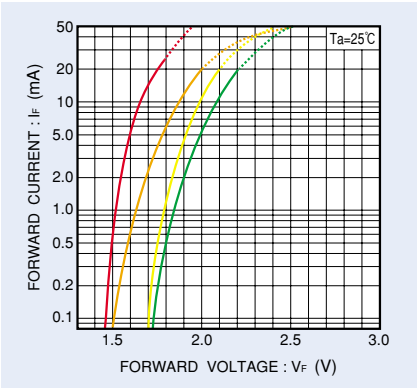


Reel Spacifications



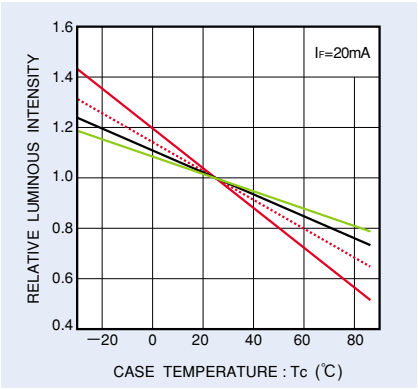
Electrical Characteristic Curves

Forward Current - Forward Voltage



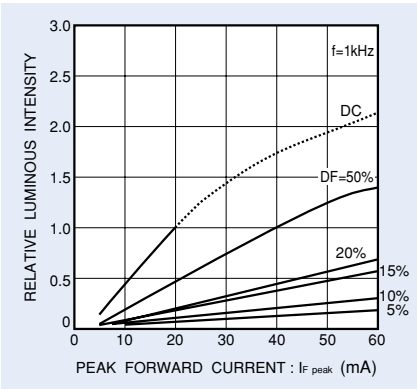
SML-210PT
SML-210MT
SML-210YT
SML-210DT
SML-210VT
SML-210LT

Relative Luminous Intensity - Case Temperature

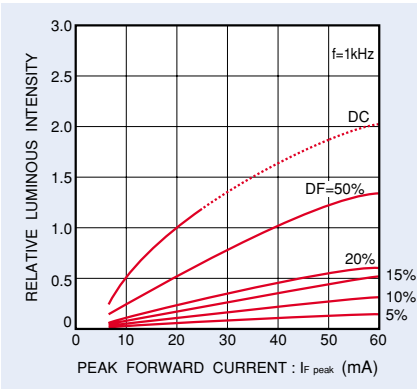


SML-210PT
SML-210MT
SML-210YT
SML-210DT
SML-210VT
SML-210LT

Relative Luminous Intensity - Forward Current

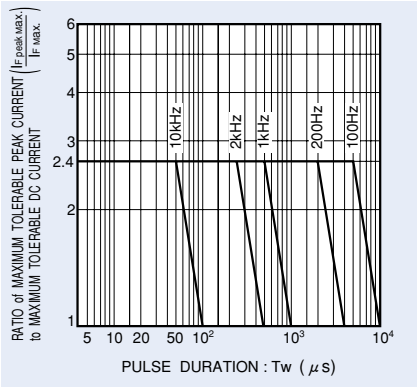


SML-210PT
SML-210MT
SML-210YT
SML-210DT
SML-210VT

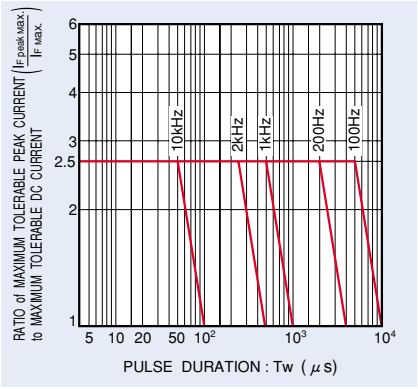


SML-210LT

Ratio of Maximum Tolerable Peak Current - Pulse Duration

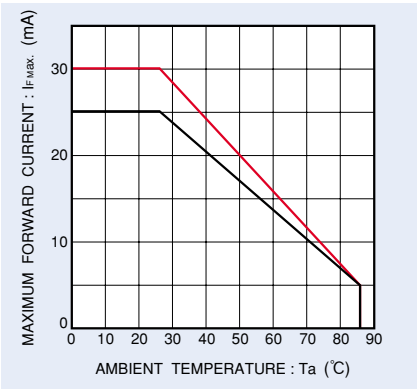


SML-210PT
SML-210MT
SML-210YT
SML-210DT
SML-210VT



SML-210LT

Derating



SML-210PT
SML-210MT
SML-210YT
SML-210DT
SML-210VT
SML-210LT

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