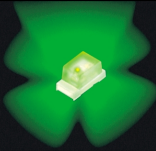


# Standard Type    Mini-molded chip LEDs

## SML-510 Series

Package Size (mm)	Green
	GaP
	570nm
1608 (0603) 1.6×0.8 t=0.55	
SML-510MW	

### Absolute Maximum Ratings (Ta=25℃)

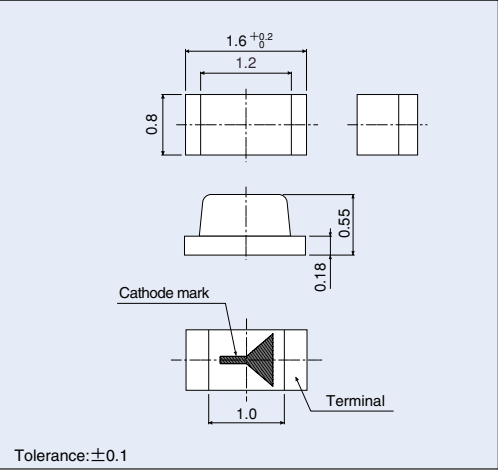
Part No.	Emitting color	Power dissipation Pd (mW)	Forward current IF (mA)	Peak forward current * IFP (mA)	Reverse voltage VR (V)	Operating temperature Topr (℃)	Stotage temperature Tstg (℃)
SML-510MW	Green	55	20	60	4	-30 to +85	-40 to +85

\* IFP measured under duty ≤1/ 5,pulse width ≤1ms.

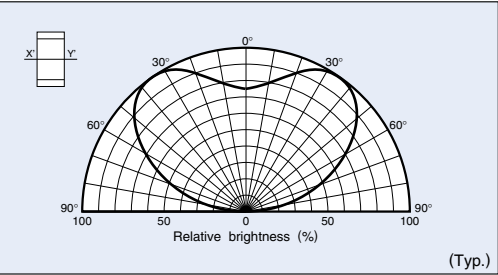
### Electrical Optical Characteristics (Ta=25℃)

Part No.	Resin Color	Forward voltage VF		Reverse current IR		Light wavelength			Brightness Iv		
		Typ. (V)	IF (mA)	Max. (μA)	VR (V)	Peak λp (nm)	Half-wave Δλ (nm)	IF (mA)	Min. (mcd)	Typ. (mcd)	IF (mA)
SML-510MW	Milky White	2.2	20	100	4	570	40	20	3.6	16	20

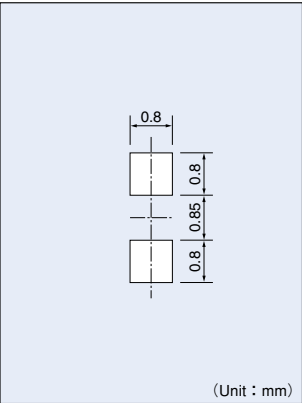
### External Dimensions (Unit : mm)



### Directivity

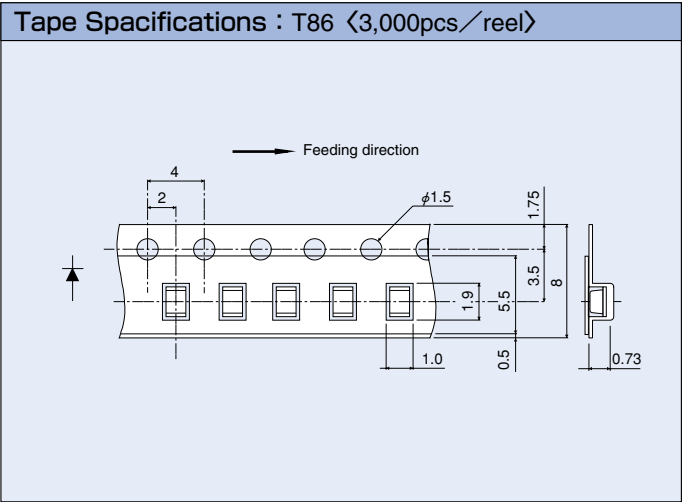


### Recommended Pad Layout

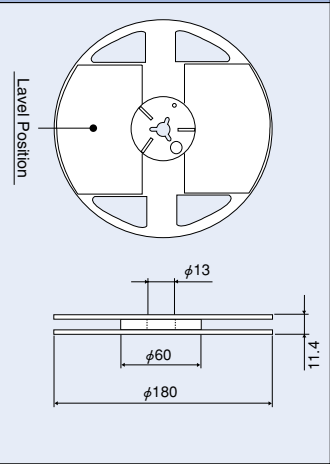


The recommended thickness of the screen mask for soldering is between 100 and 200μm. The hole size of the screen mask should be same as the recommended land pattern or smaller.

### Packaging Specifications (Unit : mm)

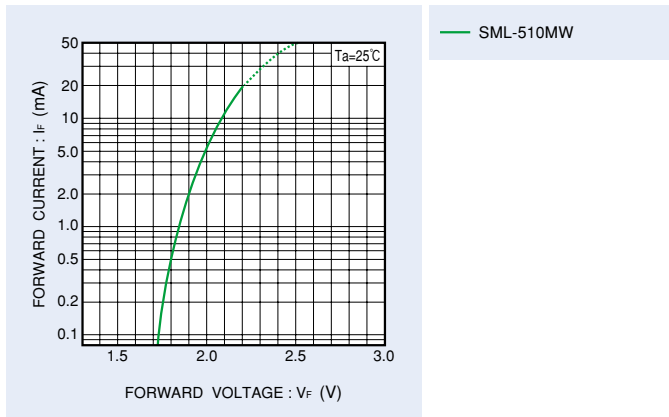


### Reel Specifications

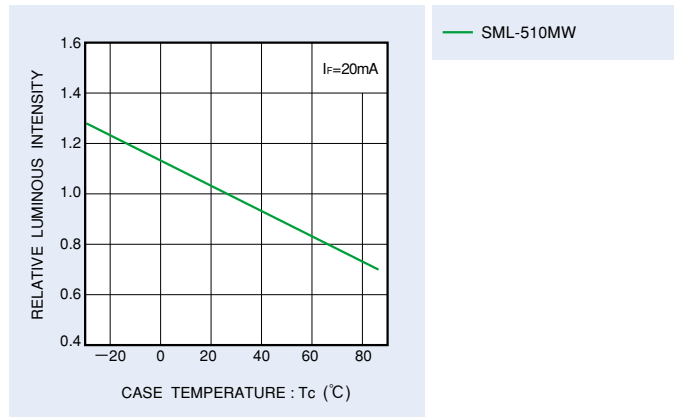


## ■ Electrical Characteristic Curves

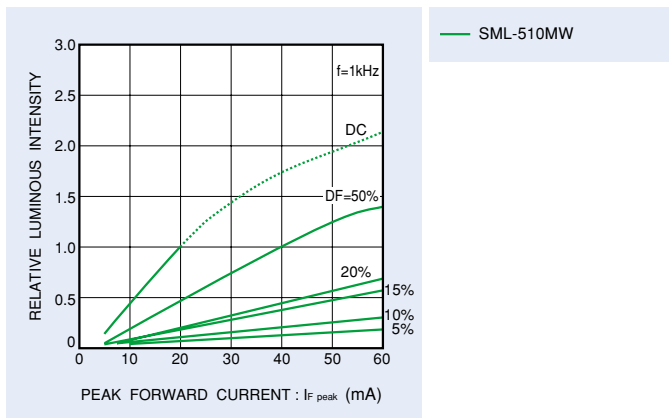
### Forward Current - Forward Voltage



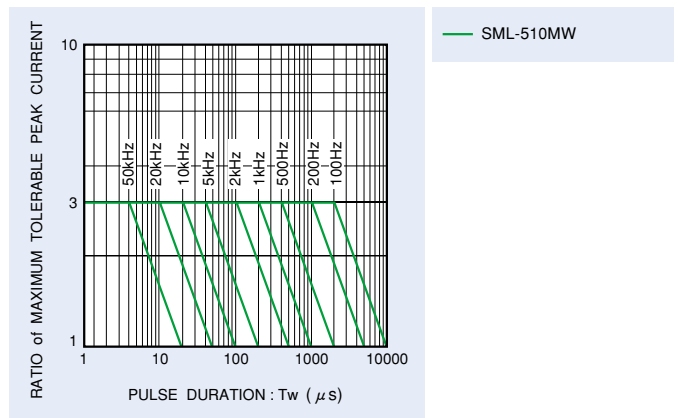
### Relative Luminous Intensity - Case Temperature



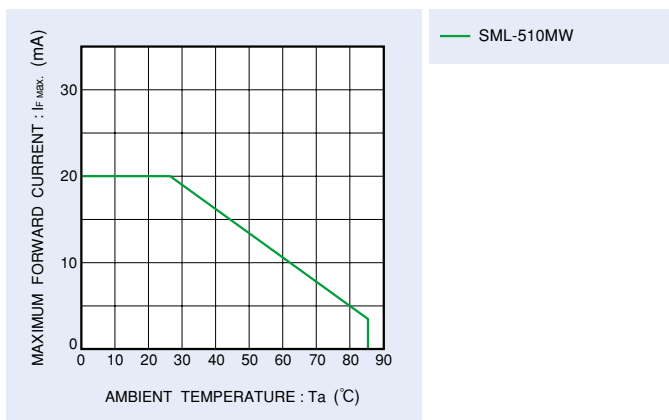
### Relative Luminous Intensity - Forward Current



### Ratio of Maximum Tolerable Peak Current - Pulse Duration



## Derating



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