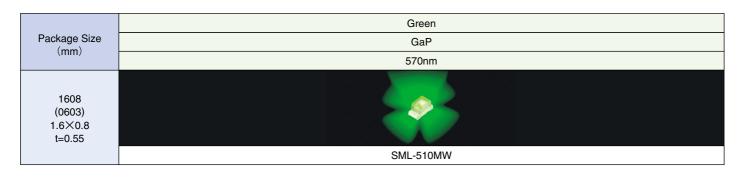
Standard Type Mini-molded chip LEDs

SML-510 Series



Absolute Maximum Ratings (Ta=25°C)

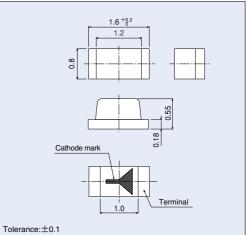
	Part No.	Emitting color	Power dissipation Po (mW)	Forward current IF (mA)	Peak forward current * IFP (mA)	Reverse voltage VR (V)	Operating temperature Topr (°C)	Stotage temperature Tstg (°C)
ſ	SML-510MW	Green	55	20	60	4	-30 to +85	-40 to +85

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

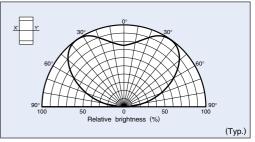
Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage VF		Reverse current In		Light wavelength Peak Half-wave $\lambda p \qquad \Delta \lambda$			Brightness Iv		
		Тур. (V)	lF (mA)	Max. (μA)	Vr (V)	Typ. (nm)	Typ. (nm)	lF (mA)	Min. (mcd)	Typ. (mcd)	lF (mA)
SML-510MW	Milky White	2.2	20	100	4	570	40	20	3.6	16	20

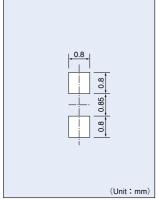
External Dimensions (Unit : mm)



Directivity

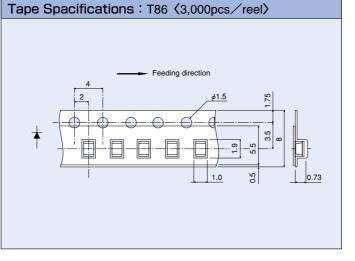


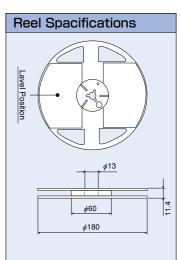
Recommended Pad Layout



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

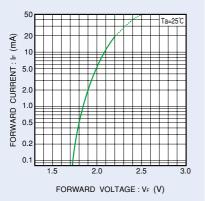
Packaging Spacifications (Unit : mm)





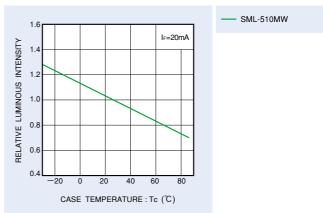
Electrical Characteristic Curves

Forward Current - Forward Voltage



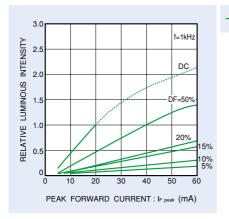
— SML-510MW

Relative Luminous Intensity - Case Temperature



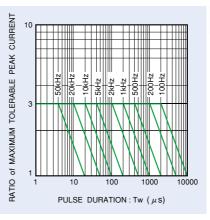
SML-510MW

Relative Luminous Intensity - Forward Current

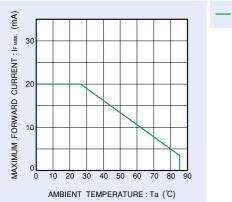


- SML-510MW

Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating





Notes

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