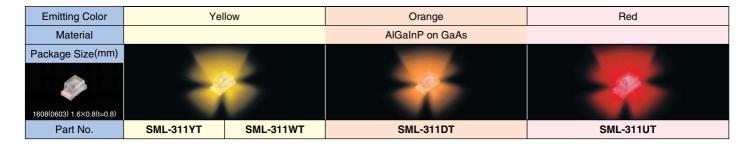
0603<1.6×0.8 t=0.8mm> Low Current Type(IF≦10mA)



SML-311 Series



■ Absolute Maximum Ratings (Ta=25°C)

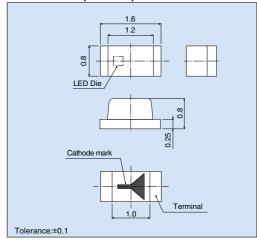
Part No.	Emitting color	Power dissipation Pp (mW)	Forward current IF (mA)	Peak forward current *IFP (mA)	Reverse voltage VR (V)	Operating temperature Topr (C)	Storage temperature Tstg (C)	
SML-311YT	Yellow	44	20				-40 to +85	
SML-311WT	reliow			60	4	-30 to +85		
SML-311DT	Orange		20	00	4	-30 10 +63		
SML-311UT	Red							

^{*:}Duty ≦1/5,pulse width ≦1ms.

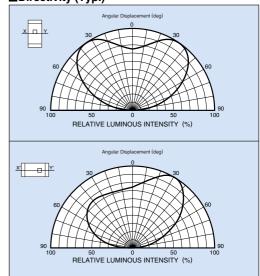
■Electrical Optical Characteristics (Ta=25°C)

	Part No.	Resin Color	Forward voltage		Reverse current In		Light wavelength Dominant Half-wave λD Δλ			Brightness Iv		
			Typ. (V)	lF (mA)	Max. (µA)	Vr (V)	Typ. (nm)	Typ. (nm)	lF (mA)	Min. (mcd)	Typ. (mcd)	lF (mA)
	SML-311YT	Transparent Colorless	1.8	2	100	4	587	15		0.0	0.5	
	SML-311WT						590	15	0.9 2.5	2.5	2	
	SML-311DT						605	16		1.6	3.15	
ſ	SML-311UT						620	18		0.9	2.5	

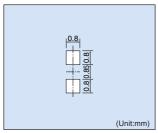
■Dimensions (Unit:mm)



■Directivity (Typ.)

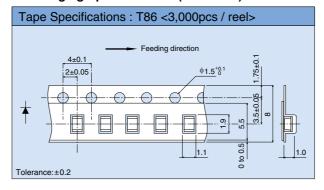


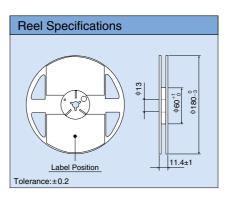
■Recommended Pad Layout



The recommended thickness of the screen mask for soldering is between 100 and 150µm. The hole size of the screen mask should be same as the recommended land pattern or smaller.

■ Packaging Specifications (Unit: mm)





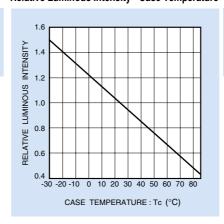
■ Electrical Characteristic Curves

Forward Current - Forward Voltage

FORWARD CURRENT: IF (mA) FORWARD VOLTAGE: VF (V)

SML-311YT SML-311WT SML-311UT

Relative Luminous Intensity - Case Temperature



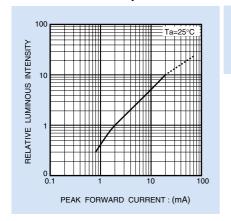
SML-311YT SML-311WT SML-311UT

SML-311YT

SML-311WT

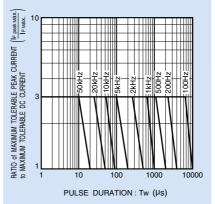
SML-311UT

Relative Luminous Intensity - Forward Current

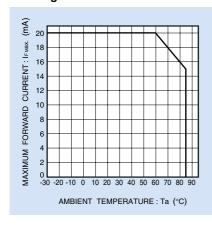


SML-311YT SML-311WT SML-311UT

Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



SML-311YT SML-311WT SML-311UT

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