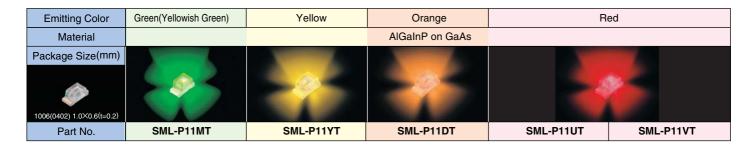
0402<1.0×0.6 t=0.2mm>

Low Current Type

SML-P11 Series

PICOLED™-ECO





■ Absolute Maximum Ratings (Ta=25°C)

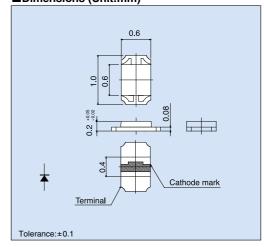
Part No.	Emitting color	Power dissipation Pp (mW)	Forward current IF (mA)	Peak forward current *IFP (mA)	Reverse voltage VR (V)	Operating temperature Topr (C)	Storage temperature Tstg (C)
SML-P11MT	Green (Yellowish Green)	54					
SML-P11YT	Yellow	52					
SML-P11DT	Orange	52	20	100	5	-40 to +85	-40 to +100
SML-P11UT	Red	50					
SML-P11VT	Red	50					

^{*:}Duty ≦1/10, 1kHz.

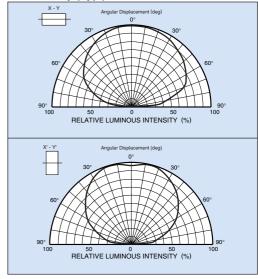
■Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage V _F		Reverse current I _R		Light wavelength Dominant λD		Brightness Iv		
		Typ. (V)	lF (mA)	Max. (μA)	VR (V)	Typ. (nm)	lF (mA)	Min. (mcd)	Typ. (mcd)	lF (mA)
SML-P11MT	Transparent Colorless	1.9				569		0.63	2.1	
SML-P11YT		1.9				586		2.5	7.6	
SML-P11DT		1.8	1	100	4	605	1	2.5	7.3	1
SML-P11UT		1.8				621		1.6	5.5	
SML-P11VT		1.8				626		1.0	3.6	

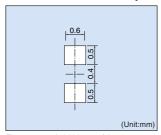
■Dimensions (Unit:mm)



■ Directivity (Typ.)

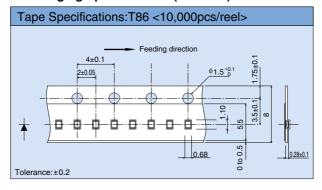


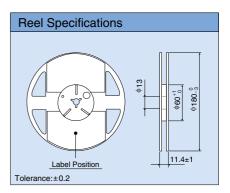
■ Recommended Pad Layout



The recommended thickness of the screen mask for soldering is between 80 and 130µm. The hole size of the screen mask should be same as the recommended land pattern or smaller.

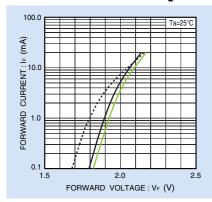
■ Packaging Specifications (Unit:mm)





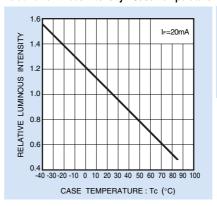
■Electrical Characteristic Curves

Forward Current - Forward Voltage



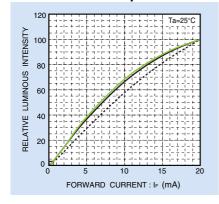


Relative Luminous Intensity - Case Temperature



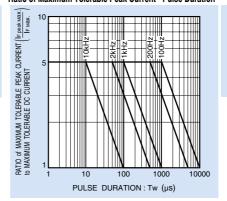


Relative Luminous Intensity - Forward Current



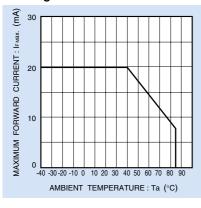


Ratio of Maximum Tolerable Peak Current - Pulse Duration



SML-P11MT
SML-P11YT
SML-P11DT
SML-P11UT
SML-P11VT

Derating





Notes

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