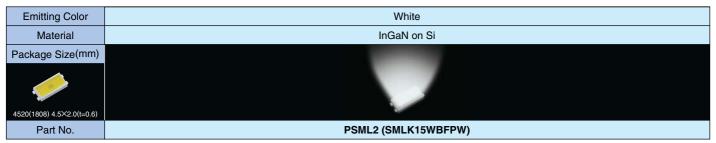
1808<4.5×2.0 t=0.6mm> **High Brightness Type**





PSML2 (SMLK15WB**** Series)

Tentative Spec



note) "-" will be taken out for emitting color B/E series.

■ Absolute Maximum Ratings (Ta=25°C)

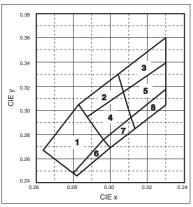
Part No.	Emitting color	Power dissipation P _D (mW)	Forward current Ir*1 (mA)	Peak forward current IFP*2 (mA)	Reverse voltage V _R (V)	Operating temperature Topr (°C)	Storage temperature T _{stg} (°C)	
SMLK15WBFPW	White	810	180	350	5	-40 to +100	-40 to +100	

^{*1:}Subject to adequate heat-radiation conditions of mounting board (e.g. use of metallic board, use of Cu land patterns)

■ Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin	volt	vard age 'F		nromatic oordinate		Brightness Iv			
		Typ. (V)	lF (mA)	х	у	lF (mA)	Min.	Typ. (cd)	IF (mA)	
SMLK15WBFPW	Phosphor included	3.8	100	0.30	0.30	100	-	6.4	100	

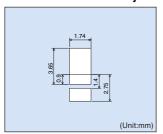
■Chromaticity Diagram



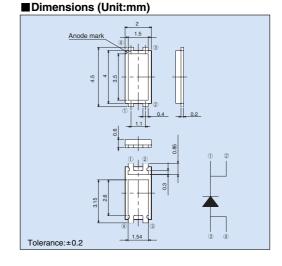
Chromaticity Coordinates	(Ta=25°C.	Ir=150mA)

1		2		3		4		5		6		7		8	
х	У	х	у	х	у	х	у	х	у	х	у	х	у	х	у
0.280	0.248	0.287	0.295	0.307	0.315	0.296	0.276	0.311	0.294	0.282	0.246	0.300	0.269	0.313	0.285
0.264	0.267	0.283	0.305	0.304	0.330	0.287	0.295	0.307	0.315	0.280	0.248	0.296	0.276	0.311	0.294
0.283	0.305	0.304	0.330	0.330	0.360	0.307	0.315	0.330	0.339	0.296	0.276	0.311	0.294	0.330	0.318
0.296	0.276	0.307	0.315	0.330	0.339	0.311	0.294	0.330	0.318	0.300	0.269	0.313	0.285	0.330	0.304

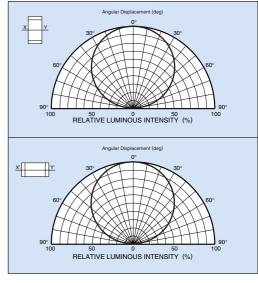
■Recommended Pad Layout



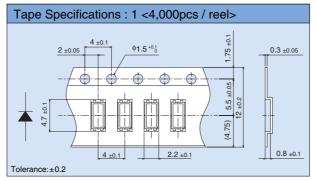
The recommended thickness of the screen mask for soldering is between 100 and 150µm. The hole size of the screen mask should be same as the recommended land pattern or smaller.

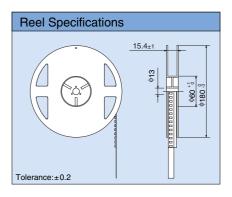


■Directivity (Typ.)



■ Packaging Specifications (Unit: mm)





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