Side View Chip LEDs 0704 <1.8 \times 1.0 t=0.35mm> Low Current Type(IF \leq 10mA)

SMLF13WB *** Series Side View



Emitting Color	White
Material	InGaN on SiC
Package Size(mm)	
1810(0704) 1.8×1.0(t=0.35)	
Part No.	SMLF13WBDW

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

Absolute Maximum Ratings (Ta=25°C)

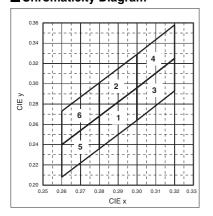
Part No.	color		Power dissipation Pb (mW)		Reverse voltage VR (V)		Storage temperature T _{stg} (°C)	
SMLF13WBDW	White	74	20	100	5	-30 to +85	-40 to +100	

*:Duty ≦1/10 1kHz

Electrical Optical Characteristics (Ta=25°C)

Part No.	vol		vard age ′F	cur	Reverse current IR		Brightness Iv			Chromaticity coordinates		
		Тур. (V)	l⊧* (mA)	Max. (µA)	Vr (V)	Min. (mcd)	Typ. (mcd)	l⊧≭ (mA)	x	у	l⊧* (mA)	
SMLF13WBDW	Phosphor included	2.9	5	100	5	36	90	5	0.31	0.31	5	
*Pulse width : 30ms												

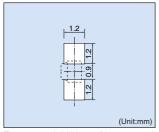
Chromaticity Diagram



Chromaticity Coordinates (Ta=25°C, IF=5mA)									
1	2	3							

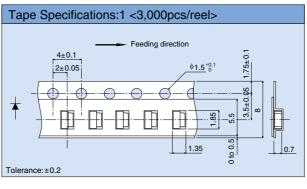
1		2		3		4		5		6	
х	у	х	у	х	у	х	у	х	у	х	у
0.280	0.236	0.280	0.268	0.300	0.264	0.304	0.300	0.296	0.260	0.240	0.240
0.280	0.268	0.280	0.301	0.300	0.296	0.330	0.300	0.329	0.280	0.268	0.273
0.300	0.296	0.300	0.329	0.320	0.325	0.330	0.320	0.358	0.280	0.236	0.301
0.300	0.264	0.300	0.296	0.320	0.293	0.311	0.320	0.325	0.260	0.208	0.268
Measure	Measurement tolerance:±0.02										

Recommended Pad Layout

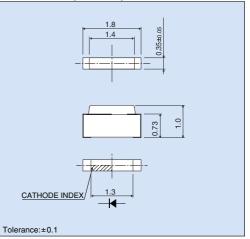


The recommended thickness of the screen mask for soldering is more than 150 μ m. The hole size of the screen mask should be same as the recommended land pattern or smaller.

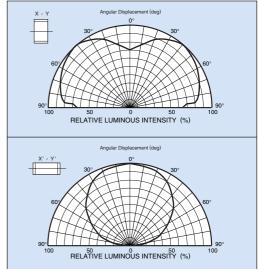
■ Packaging Specifications (Unit:mm)

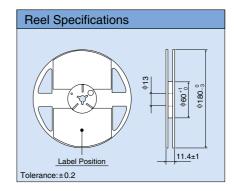


Dimensions (Unit:mm)



Directivity (Typ.)





Notes

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Appendix1-Rev2.0

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