

SMLF1 Series

1810(0704) 1.8×1.0 mm(t=0.35mm)

Features

·Thin, side-view package



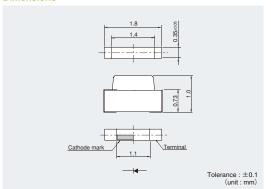


Specifications

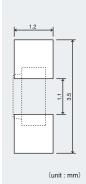
Part No.	Chip Structure		Absolute Maximum Ratings (Ta=25℃)						Electrical and Optical Characteristics (Ta=25°C)								
		Emitting Color		Power Forward Peak Forward Reverse Operating Storage		_ Storage	Forward Voltage VF Reverse Current IR			Current IR	Chromaticity Coordinates Luminous Intensity I			nsity Iv			
				Current IF(mA)		Voltage VR(V)	Temperature Topr(°C)	Temperature Tstg(°C)	Typ.(V)	IF(mA)	Max. (μA)	VR(V)	(x, y)	IF(mA)	Min. (mcd)	Typ. (mcd)	IF(mA)
☐SMLF13WBDW	InGaN on SiC	White	74	20	100*	5	-40 to +85	-40 to +100	2.9	5	10	5	(x, y) (0.29,0.28)	5	36	90	5

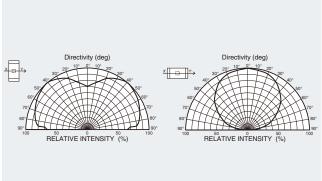
*:Duty1/10, 1kHz

Dimensions

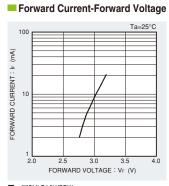


Recommended Solder Pattern Viewing Angle

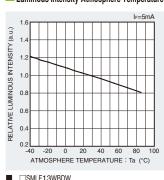




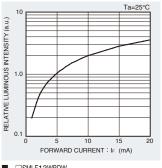
Electrical Characteristics Curves



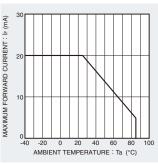




Luminous Intensity-Forward Current



Derating



■ □SMLF13WBDW

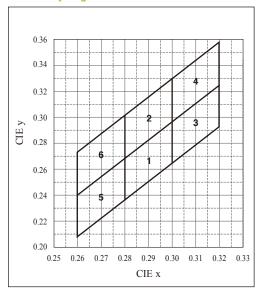
■ □SMLF13WBDW

Rank Reference of Brightness

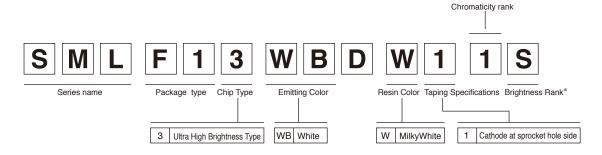
■White (WB)

									(Ta=25°C	;, IF=5mA)
	Package	Luminous	Р	Q	R	S	T	U	V	W
	size (mm)	Height(mm) (mcd)	25 to 36	36 to 56	56 to 90	90 to 140	140 to 220	220 to 360	360 to 560	560 to 900
Side View Chip LEDs	1810	0.35			SMLF1	BWBDW				

Chromaticity Diagram



Part No. Construction



- * Concerning the Brightness rank
- Please refer to the rank chart above for luminous intensity classification.
- Part name is individual for each rank.
- When shipped as sample, the part name will be a representative part name.

 General products are free of ranks. Please contact sales if rank appointment is needed.

Packing Specification

ROHM LED products are being shipped with desiccant (silica gel) concluded in moisture-proof bags.

Pasting the moisture sensitive label on the outer surface of the moisture-proof bags or enclosing the humidity indication card inside the bag is available upon request.

Please contact the nearest sales office or distributer if necessary.

Notes

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