

SMLK1 / SMLK2 series PSML2

Features

- High heat radiation "PSML2" series
- Low package by flat frame structure
- High Luminous Intensity

Color Type WB

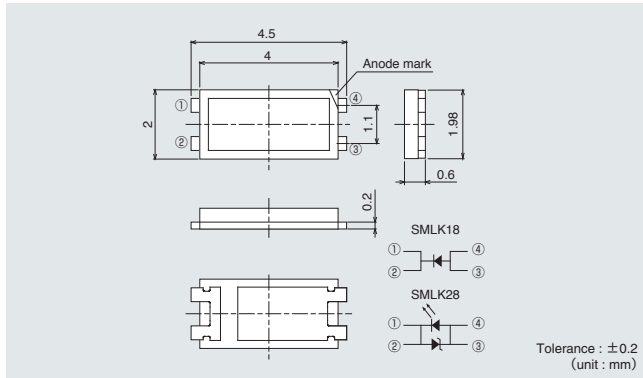
SMLK18/SMLK28(PSML2)

Specifications

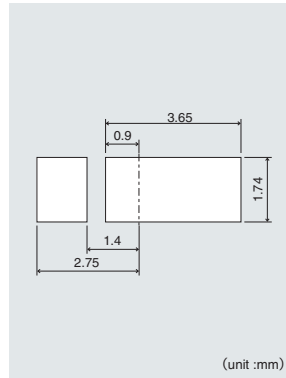
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)					Electrical and Optical Characteristics (Ta=25°C)										
			Power Dissipation Pd(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage VF Typ.(V)	IF(mA)	Reverse Current IR Max.(μA)	VR(V)	Chromaticity (x, y)	IF(mA)	Luminous Intensity Iv Min.(cd)	Typ.(cd)	Luminous Flux Φv Typ.(lm)	IF(mA)
<input type="checkbox"/> SMLK18WBJAW		White (5000K)										(0.345, 0.351)		3.3	4.8	(17)		
<input type="checkbox"/> SMLK18WBJBW		White (3000K)				5						(0.44, 0.40)		4.5	(16)			
<input type="checkbox"/> SMLK18WBJCW	InGaN		675	150	230*		-40 to +100	-40 to +100	3.9	90	10	5	(0.30, 0.28)	90	5.9	90	(21)	90
<input type="checkbox"/> SMLK18WBJDW		White										(0.34, 0.34)		4.8	6.0	(22)		
<input type="checkbox"/> SMLK28WBJCW												(0.30, 0.28)		5.9	(21)			

*Duty1/10<10ms ():Reference

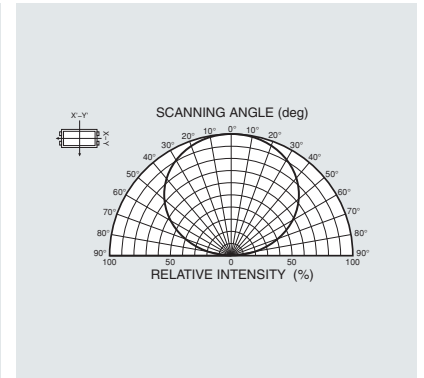
Dimensions



Recommended Solder Pattern

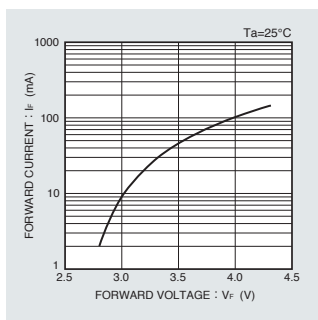


Viewing Angle

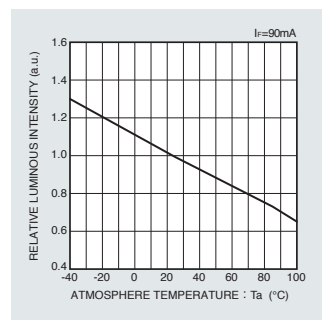


Electrical Characteristics Curves

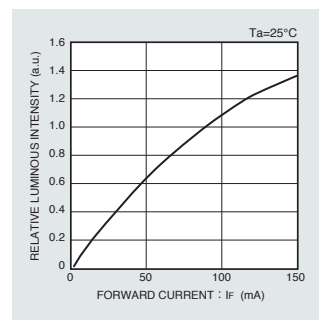
Forward Current-Forward Voltage



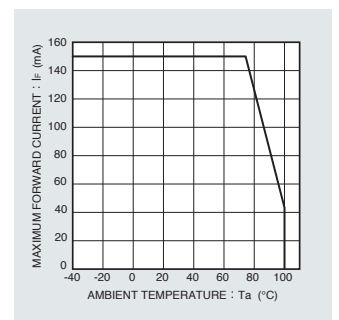
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



- SMLK18WBJAW
- SMLK18WBJBW
- SMLK18WBJCW
- SMLK18WBJDW
- SMLK28WBJCW

- SMLK18WBJAW
- SMLK18WBJBW
- SMLK18WBJCW
- SMLK18WBJDW
- SMLK28WBJCW

- SMLK18WBJAW
- SMLK18WBJBW
- SMLK18WBJCW
- SMLK18WBJDW
- SMLK28WBJCW

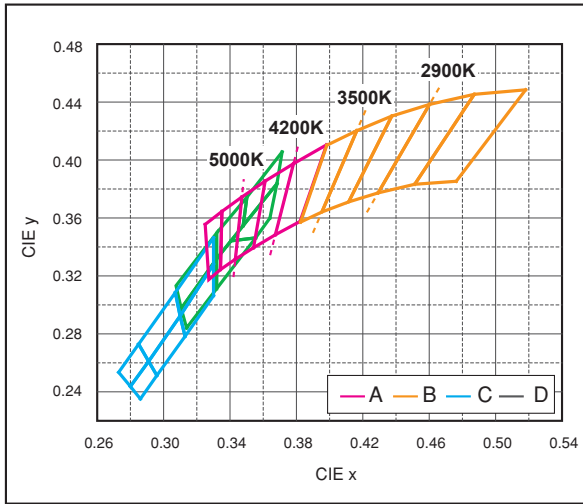
- SMLK18WBJAW
- SMLK18WBJBW
- SMLK18WBJCW
- SMLK18WBJDW
- SMLK28WBJCW

Rank Reference of Brightness

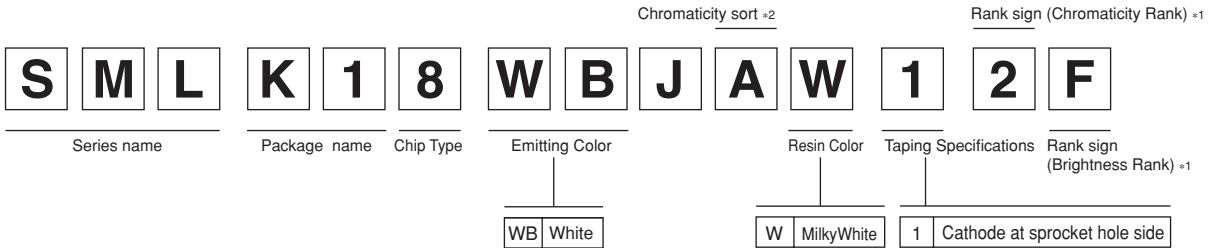
■ White (WB)

Package structure	Package size	Height (mm)	Luminous Intensity I _v (mA)	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U			
				2.2 to 2.8	2.8 to 3.3	3.3 to 4.0	4.0 to 4.8	4.8 to 5.8	5.8 to 7.0	7.0 to 8.5	8.5 to 10.2	10.2 to 12.3	12.3 to 14.8	14.8 to 19	19 to 21.8	21.8 to 24.5	24.5 to 27.2	27.2 to 29.3	29.3 to 32.6	32.6 to 35.4			
PSML2	4520	0.6	90	SMLK18WBJAW				SMLK18WBJBW				SMLK18WBJCW				SMLK18WBJDW				SMLK28WBJCW			

色度分類図



Part No. Construction



- *1: Concerning the Brightness rank
- Please refer to the rank chart above for luminous intensity classification.
- Please refer to the Specification sheet for color 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.

*2: Please refer to Chromaticity diagram.

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 distributor if necessary.

Notes

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