



SMLK1 / SMLK2 series PSML2

Features

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





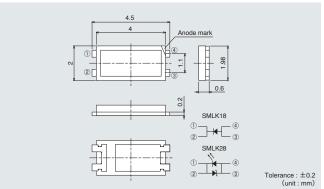
SMLK18/SMLK28(PSML2)

Specifications

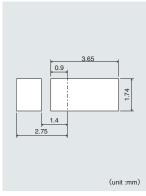
	Chip Structure	Emitting Color		Ratings	(Ta=25°C)	Electrical and Optical Characteristics (Ta=25°C)													
Part No.				Forward Peak Forwar		Reverse	Operating				Reverse Current IR			Luminous Intensity Iv Luminous Flux Φ\				Flux Φν	
			Dissipation PD(mW)	Current IF(mA)	Current IFP(mA)	Voltage VR(V)	Temperature Topr(°C)	Tstg(°C)	Typ.(V)	IF(mA)	Max. (μΑ)	VR(V)	(x, y)	IF(mA)	Min. (cd)	Typ. (cd)	IF(mA)	Typ. (lm)	IF(mA)
□SMLK18WBJAW		White (5000K)											(0.345, 0.351)		3.3	4.8		(17)	
☐SMLK18WBJBW		White (3000K)				_					10	_	(0.44, 0.40)		3.3	4.5		(16)	
□SMLK18WBJCW	InGaN		675	150	230**	э	-40 to +100	-40 to +100	3.9	90	10	5	(0.30, 0.28)	90		5.9	90	(21)	90
☐SMLK18WBJDW		White											(0.34, 0.34)		4.8	6.0		(22)	
☐SMLK28WBJCW						-					-	-	(0.30, 0.28)			5.9		(21)	

*Duty1/10<10ms ():Reference

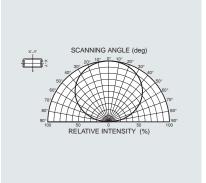




Recommended Solder Pattern

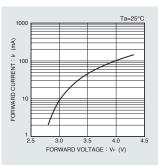






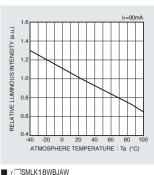
Electrical Characteristics Curves

Forward Current-Forward Voltage



□SMLK18WBJAW

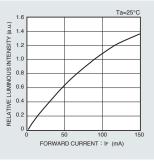
SMLK18WBJBW
SMLK18WBJCW
SMLK18WBJDW
SMLK28WBJCW



Luminous Intensity-Atmosphere Temperature

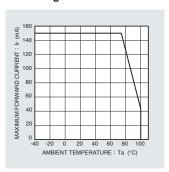
SMLK18WBJBW
SMLK18WBJCW
SMLK18WBJDW
SMLK28WBJCW

Luminous Intensity-Forward Current



SMLK18WBJAW SMLK18WBJBW
SMLK18WBJCW
SMLK18WBJDW
SMLK28WBJCW

Derating



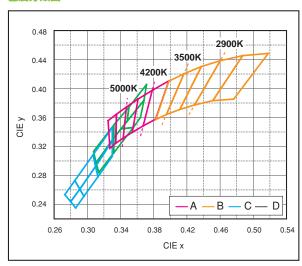
SMLK18WBJAW SMLK18WBJBW
SMLK18WBJCW
SMLK18WBJDW
SMLK28WBJCW

Rank Reference of Brightness

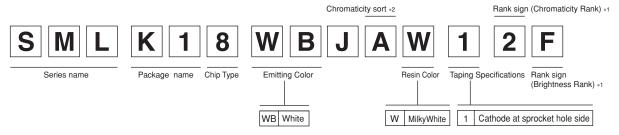
■White (WB)

Package structure	Package size	Height	Luminous	С	D	Е	F	G	Н	J	K	L	M	N	Р	Q	R	S	Т	U
		(mm)		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			90				SMLK18	BWBJAW												
							SMLK18	WBJBW												
	4520	0.6						SMI	K18WB	JCW										
								SM	LK18WBJ	IDW										
								SMI	K28WB	JCW										

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 distributer if necessary.

Notes

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