

# SMLK34 series

## PSML2

4520 (1808)  
4.5 × 2.0mm (t=0.6mm)

### Specifications

- High heat radiation package from ROHM original flat frame structure.
- Warm white, True white.

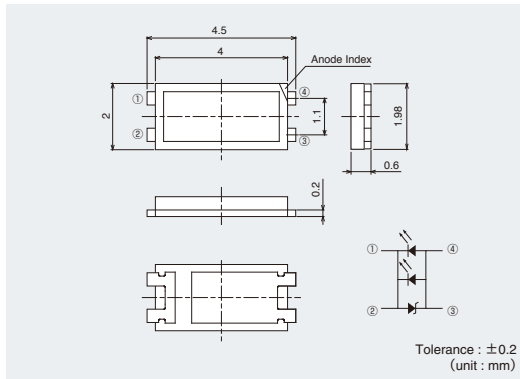
Color Type WB

### Specifications

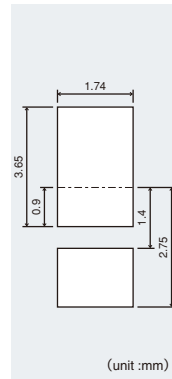
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)					Electrical and Optical Characteristics (Ta=25°C)									
			Power Dissipation Pd (mW)	Forward Current IF (mA)	Peak Forward Current I <sub>FP</sub> (mA)	Reverse Voltage VR (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage VF Typ. (V)	IF (mA)	Chromaticity Coordinates (x, y)	IF (mA)	Luminous Intensity I <sub>v</sub> Min. (mcd)	Typ. (mcd)	Luminous Flux Φ <sub>v</sub> Typ. (lm)	IF (mA)	
<input type="checkbox"/> SMLK34WBECW	InGaN	White	360	90	300*	-	-40 to +100	-40 to +100	3.4	60	(0.30, 0.28)	60	4000	5500	60	(14)	60
<input type="checkbox"/> SMLK34WBEDW											(0.34, 0.34)						
<input type="checkbox"/> SMLK34WBEAW		High color rendering index (5000K)									(0.345, 0.351)	2200	3800	(9.5)			
<input type="checkbox"/> SMLK34WBEBW		High color rendering index (3000K)									(0.44, 0.40)						

\* Duty1/10 1kHz ( ): Reference

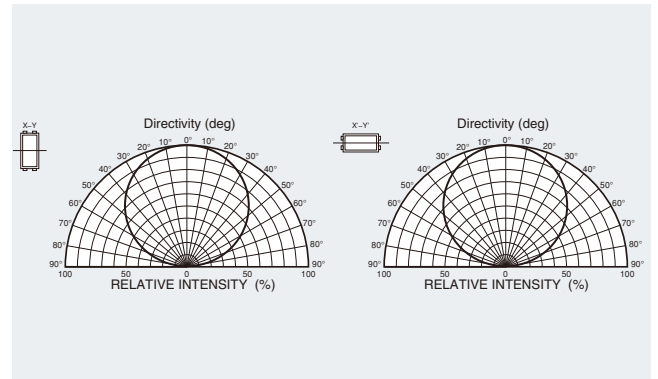
### Dimensions



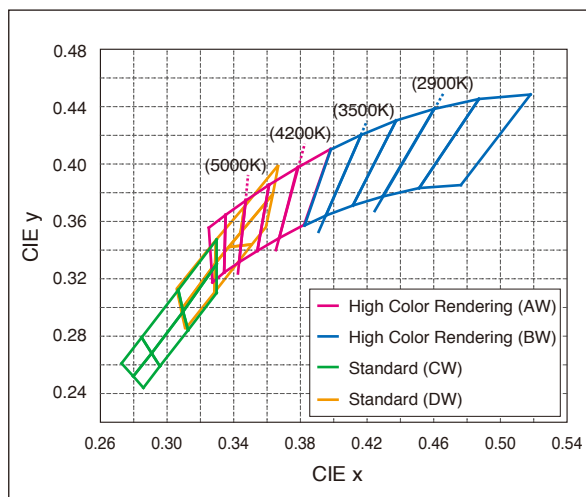
### Recommended Solder Pattern



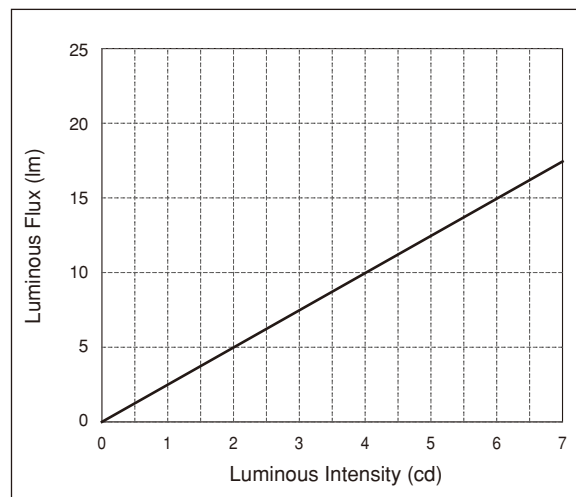
### Viewing Angle



### Chromaticity Diagram

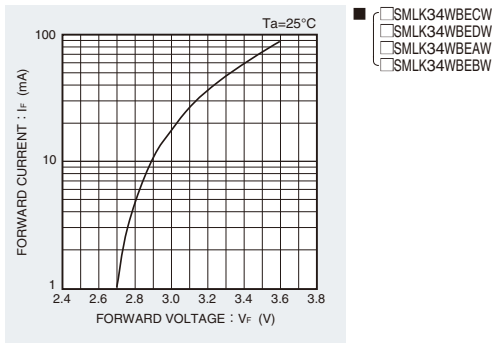


### IV-Φv



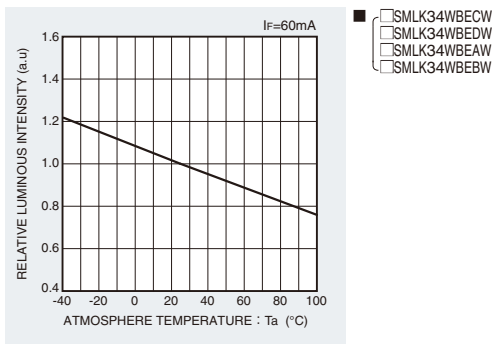
## Electrical Characteristics Curves

### Forward Current-Forward Voltage



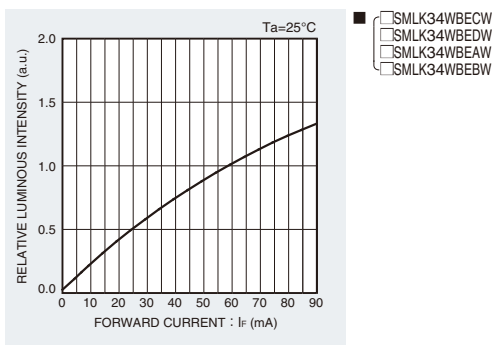
- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEAW
- SMLK34WBEBW

### Luminous Intensity-Atmosphere Temperature



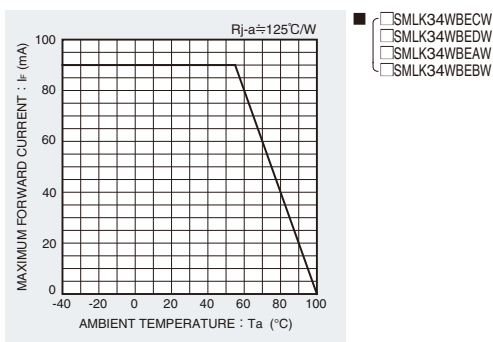
- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEAW
- SMLK34WBEBW

### Luminous Intensity-Forward Current



- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEAW
- SMLK34WBEBW

### Derating



- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEAW
- SMLK34WBEBW

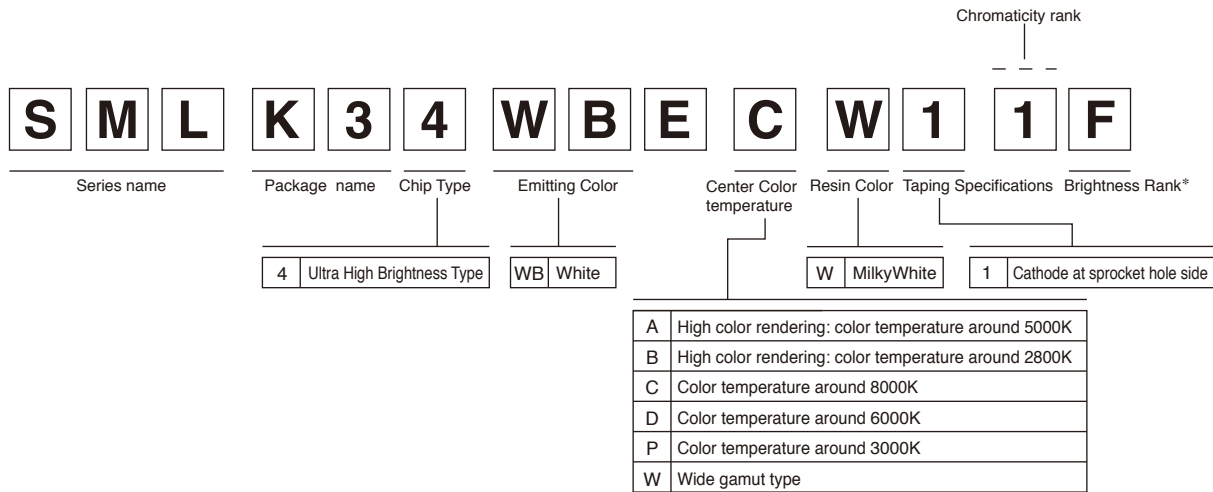
## Rank Reference of Brightness

### White (WB)

(Ta=25°C, If=60mA)

Package size (mm)	Height (mm)	Luminous intensity (mcd)	C	D	E	F	G	H
			2200 to 2700	2700 to 3300	3300 to 4000	4000 to 4800	4800 to 5800	5800 to 7000
PSML2	4520	0.6	SMLK34WBEAW					
			SMLK34WBEBW					
			SMLK34WBECW					
			SMLK34WBEDW					

## 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 distributor if necessary.

## Notes

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