

# 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.

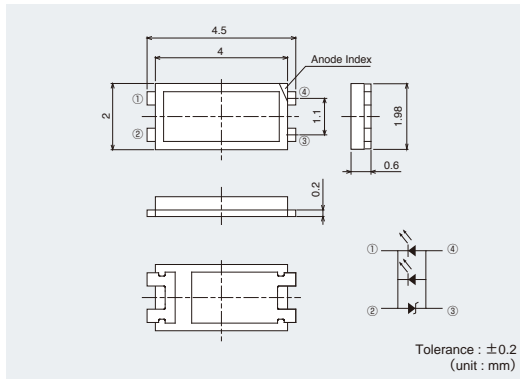
Color Type WB

### Specifications

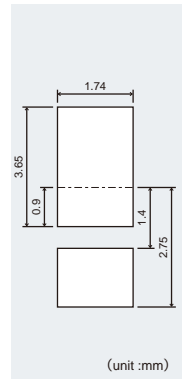
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)					Electrical and Optical Characteristics (Ta=25°C)								
			Power Dissipation Pd (mW)	Forward Current IF (mA)	Peak Forward Current I <sub>FP</sub> (mA)	Reverse Voltage VR (V)	Operating Temperature Topr (°C)	Storage Temperature 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	(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

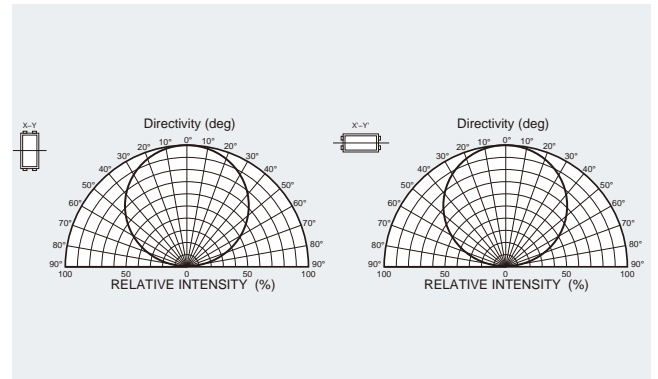
### Dimensions



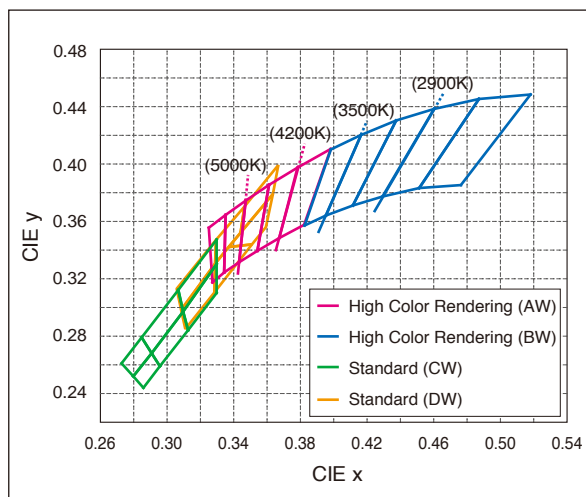
### Recommended Solder Pattern



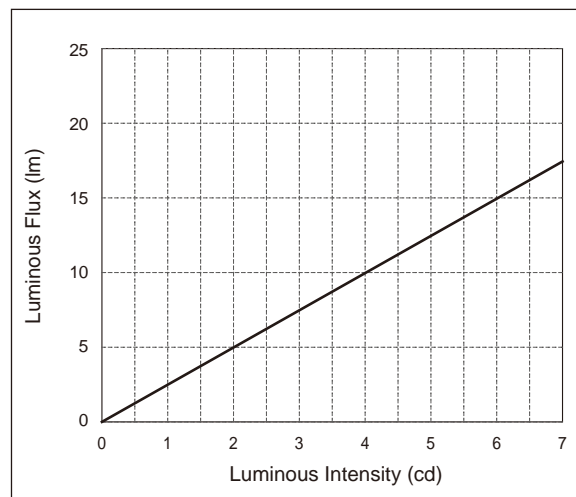
### Viewing Angle



### Chromaticity Diagram

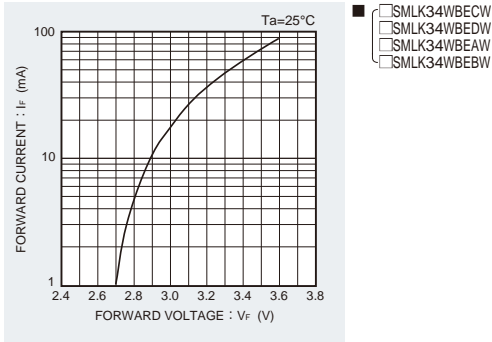


### IV-θv



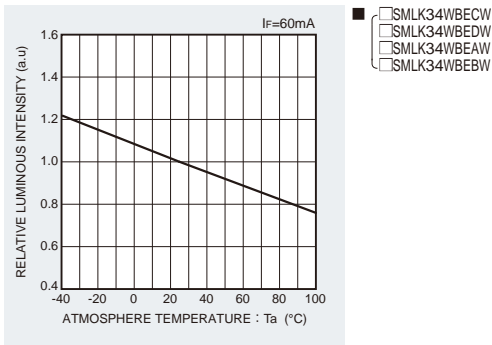
## Electrical Characteristics Curves

### Forward Current-Forward Voltage



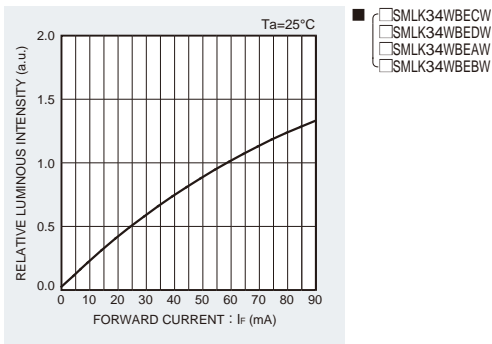
- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEAW
- SMLK34WBEBW

### Luminous Intensity-Atmosphere Temperature



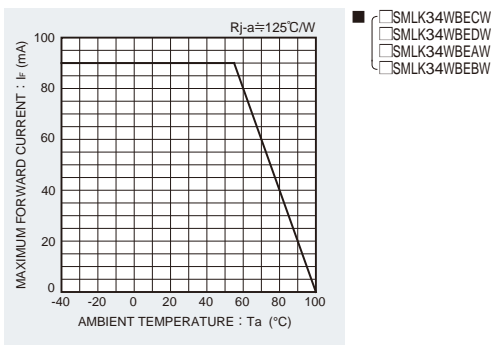
- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEAW
- SMLK34WBEBW

### Luminous Intensity-Forward Current



- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEAW
- SMLK34WBEBW

### Derating



- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEAW
- SMLK34WBEBW

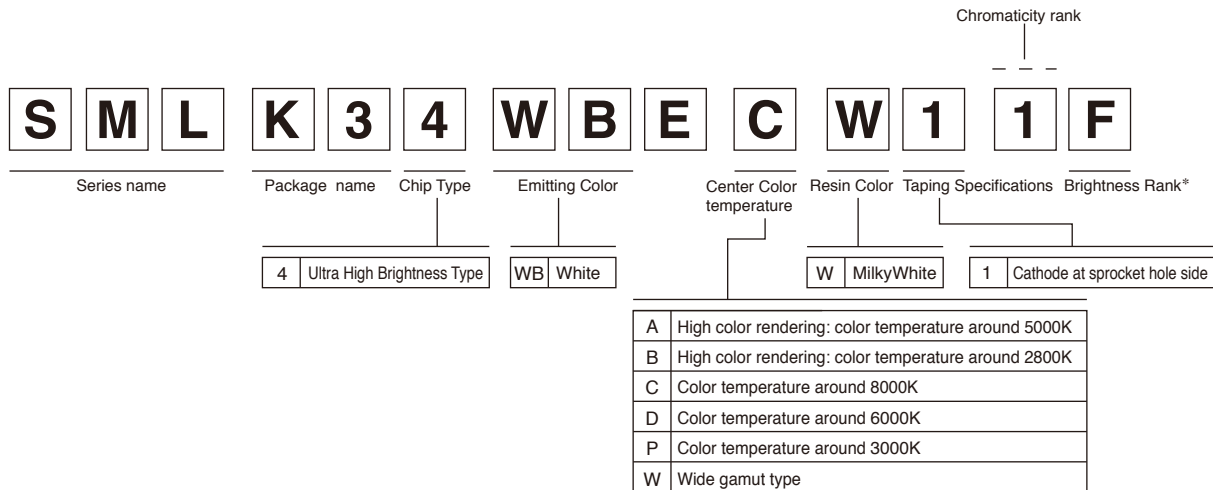
## Rank Reference of Brightness

### 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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С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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