

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.

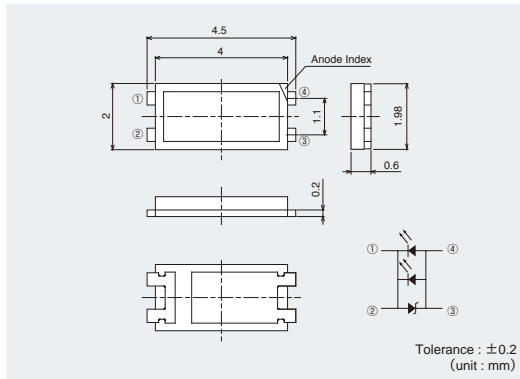
Color Type WB

Specifications

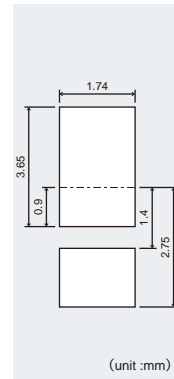
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)					Electrical and Optical Characteristics (Ta=25°C)								
			Power Dissipation Pd (mW)	Forward Current IF (mA)	Peak Forward Current I _{FP} (mA)	Reverse Voltage VR (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage VF Typ. (V)	IF (mA)	Chromaticity Coordinates (x, y)	IF (mA)	Luminous Intensity I _v Min. (mcd)	Typ. (mcd)	Luminous Flux Φ _v 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)		2200	3800	(9.5)	
<input type="checkbox"/> SMLK34WBEAW		High color rendering index (5000K)									(0.345, 0.351)					
<input type="checkbox"/> SMLK34WBEBW		High color rendering index (3000K)									(0.44, 0.40)					

* Duty 1/10 1kHz (): Reference

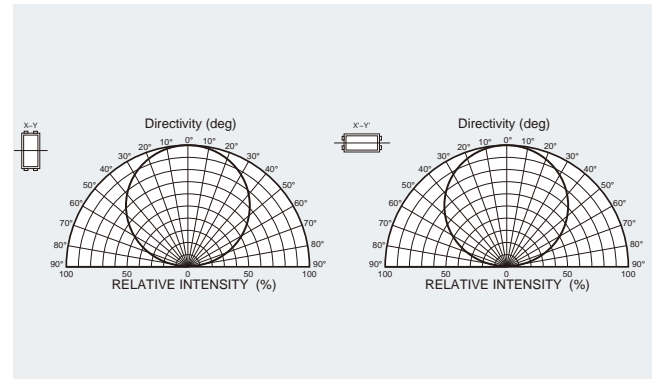
Dimensions



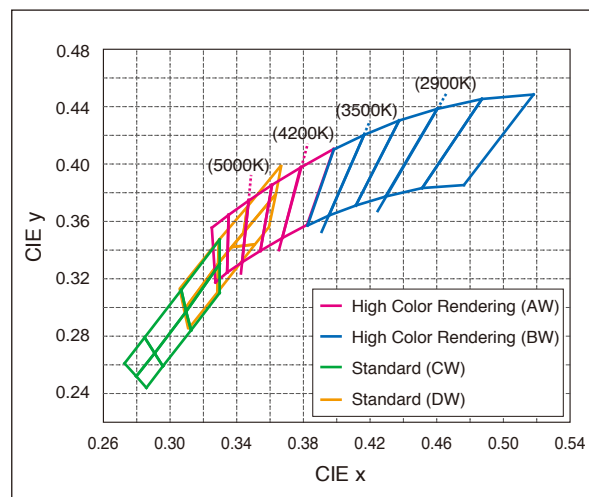
Recommended Solder Pattern



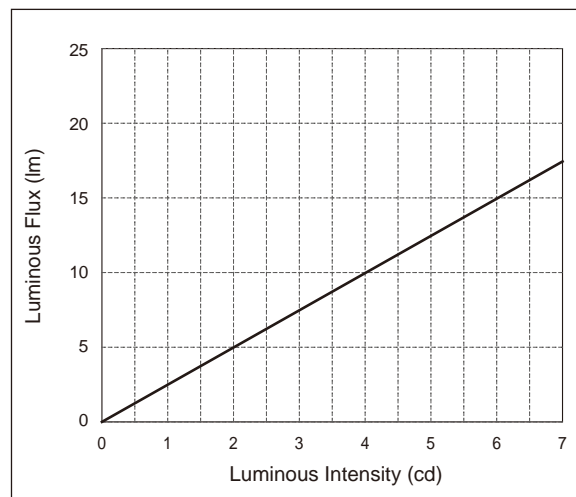
Viewing Angle



Chromaticity Diagram

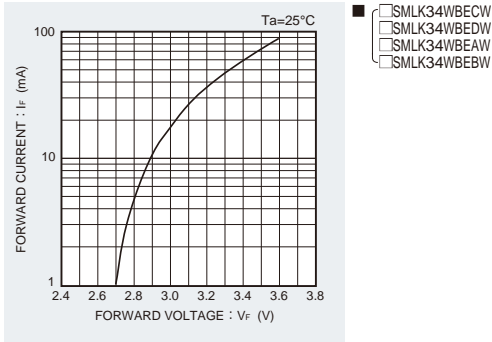


IV-θv



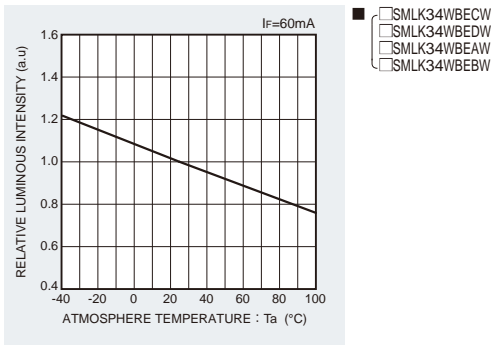
Electrical Characteristics Curves

Forward Current-Forward Voltage



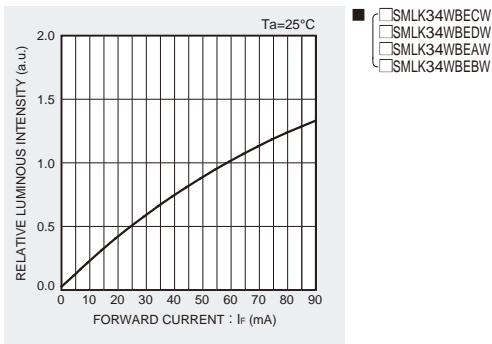
- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEBW
- SMLK34WBEAW

Luminous Intensity-Atmosphere Temperature



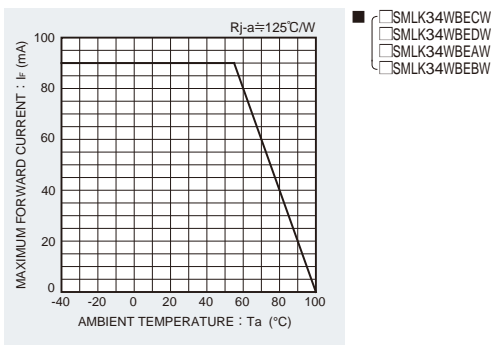
- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEBW
- SMLK34WBEAW

Luminous Intensity-Forward Current



- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEBW
- SMLK34WBEAW

Derating



- SMLK34WBECW
- SMLK34WBEDW
- SMLK34WBEBW
- SMLK34WBEAW

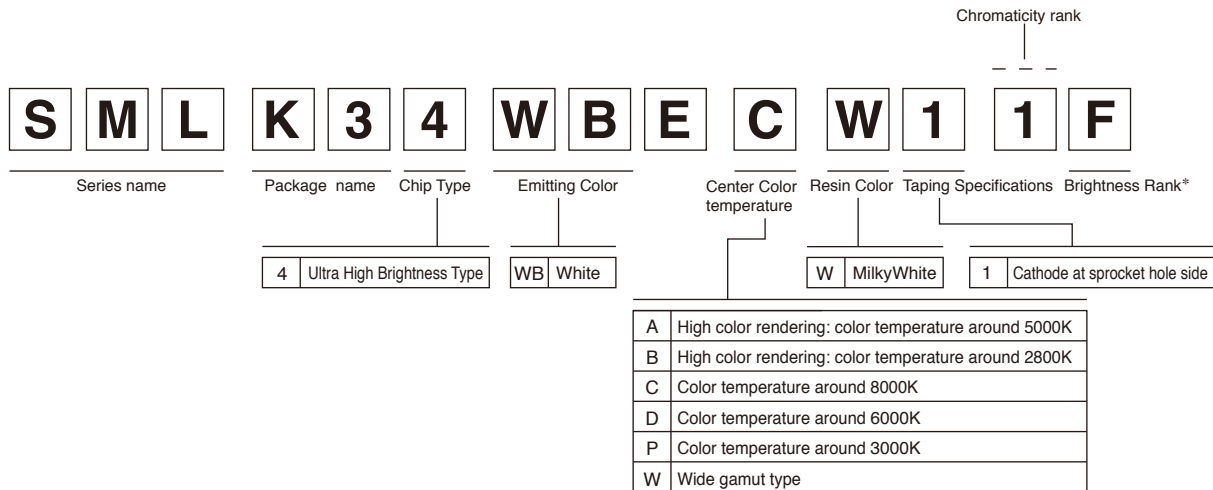
Rank Reference of Brightness

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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Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

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(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

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