

# SMLW36 series

Actual size

7950(3120)  
7.9×5.0mm(t=1.1mm)

**Features**

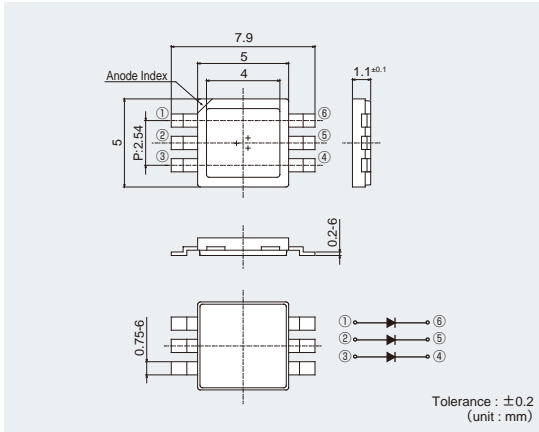
•High heat dissipation, high efficiency white LEDs

Color Type **WB**

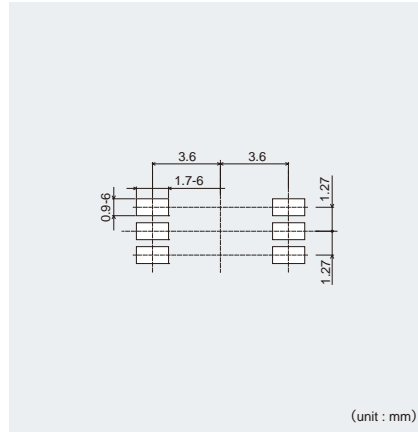
**Specifications**

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>F</sub> P(mA)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage V <sub>F</sub>		Chromaticity Coordinates		Luminous Intensity I <sub>v</sub>			Luminous Flux Φ <sub>v</sub>			
								Typ.(V)	IF(mA)	(x, y)	IF(mA)	Min. (mcd)	Typ. (mcd)	IF(mA)	Typ. (lm)	IF(mA)		
<input type="checkbox"/> SMLW36WBFAW	InGaN	High Color Rend (5000K)	420	105	400	-40 to +85	-40 to +100	3.4	90	(0.36,0.36)	90		4.8	7.0	90	(25)	90	
<input type="checkbox"/> SMLW36WBFBW		High Color Rend (3000K)											(0.44,0.40)	(20)				
<input type="checkbox"/> SMLW36WBFCW		White											5.8	8.5		(30,0.28)		(30)
<input type="checkbox"/> SMLW36WBFDW																		

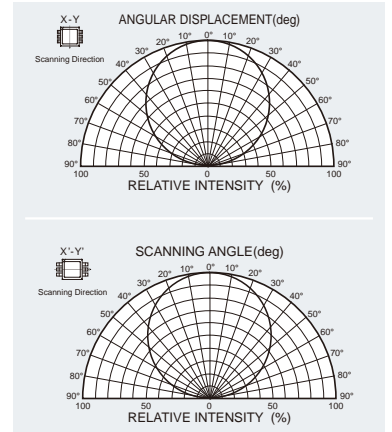
**Dimensions**



**Recommended Solder Pattern**

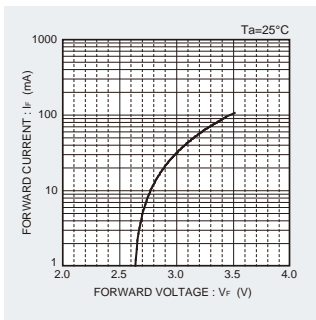


**Viewing Angle**

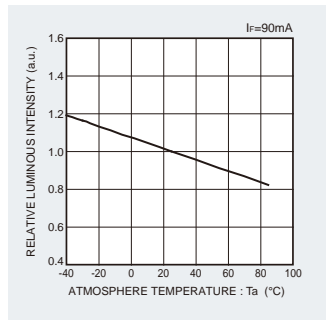


**Electrical Characteristics Curves**

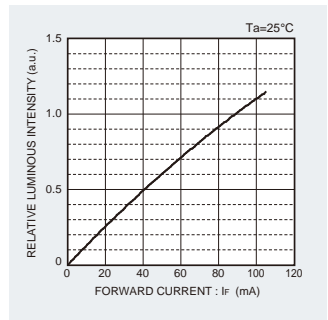
**Forward Current-Forward Voltage**



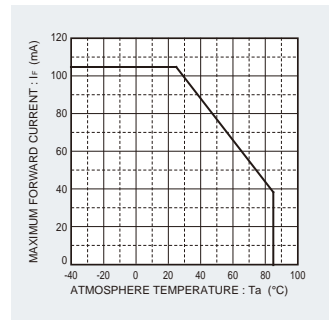
**Luminous Intensity-Atmosphere Temperature**



**Luminous Intensity-Forward Current**



**Derating**



- SMLW36WBFAW
- SMLW36WBFBW
- SMLW36WBFCW
- SMLW36WBFDW

- SMLW36WBFAW
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- SMLW36WBFDW

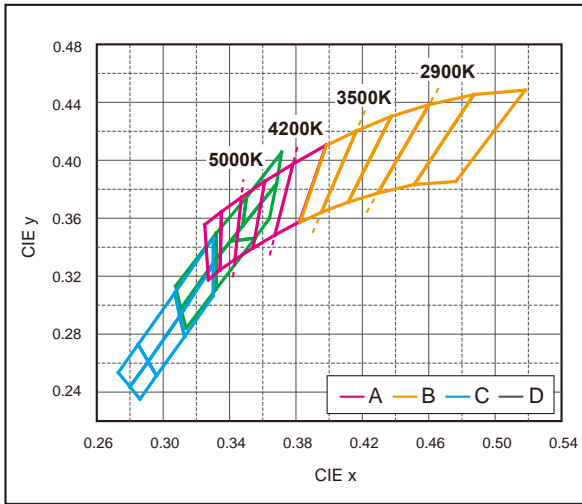
Rank Reference of Brightness

White (WB)

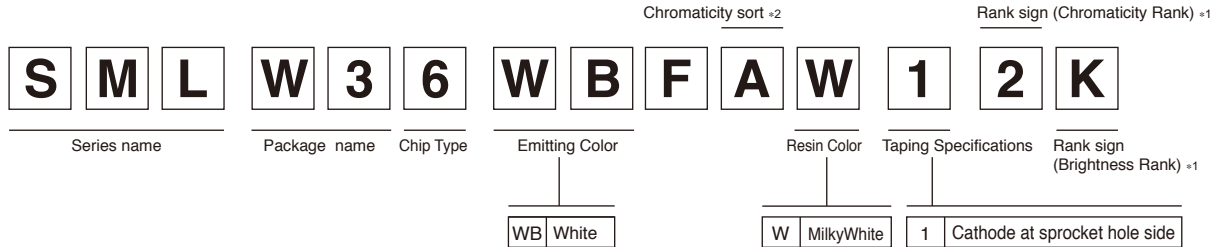
Package type	Package size (mm)	Height (mm)	Luminous intensity (cd)	I <sub>F</sub> (mA)	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U
Chip LEDs with Reflector	7950	1.1	90		2.2 to 2.8	2.8 to 3.3	3.3 to 4.0	4.0 to 4.8	4.8 to 5.8	5.8 to 7.0	7.0 to 8.5	8.5 to 10.2	10.2 to 12.3	12.3 to 14.8	14.8 to 19	19 to 21.8	21.8 to 24.5	24.5 to 27.2	27.2 to 29.3	29.3 to 32.6	32.6 to 35.4
										SMLW36WBFAW											
										SMLW36WBFBW											
										SMLW36WBFCW											
										SMLW36WBFDW											

\*Brightness on specification sheet include tolerance of within ± 10%.

Chromaticity Diagram



Part No. Construction



- \*1 Concerning the rank sign.
- 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.

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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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- 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.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
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- Входной контроль качества.
- Наличие сертификата ISO.

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- 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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