

# SMLV36 series

Actual size  
 3528 (1411)  
 3.5 × 2.8mm (t=0.6mm)

## Features

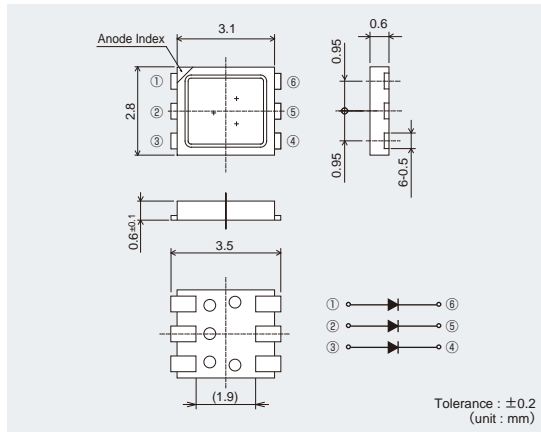
- High heat radiation, high efficiency white LEDs
- Low height made possible by flat frame structure

Color Type WB

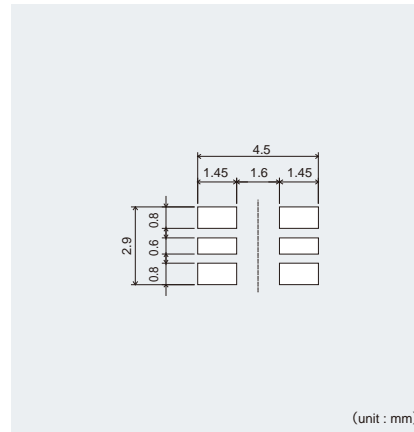
## Specifications

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> Typ.(V)	IF(mA)	Chromaticity Coordinates (x, y)	IF(mA)	Luminous Intensity I <sub>v</sub>		Luminous Flux Φ <sub>v</sub>			
<input type="checkbox"/> SMLV36WBFAW	InGaN	High Color Rend (5000K)	420	105	400	-40 to +85	-40 to +100	3.4	90	(0.36,0.36)	90	Min. (mcd)	Typ. (mcd)	90	Typ. (lm)	90	
<input type="checkbox"/> SMLV36WBFBW		High Color Rend (3000K)										4.8	7.0				(25)
<input type="checkbox"/> SMLV36WBFCW		White										5.8	8.5				(30)
<input type="checkbox"/> SMLV36WBFDW												(0.34,0.34)	10.2				(25)

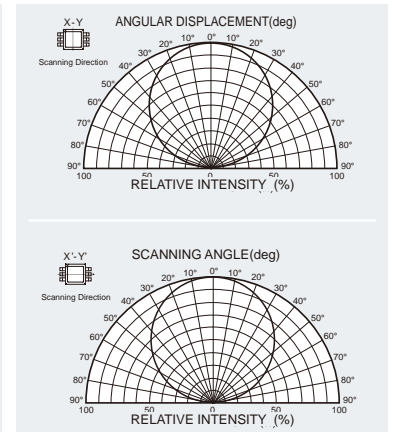
## Dimensions



## Recommended Solder Pattern

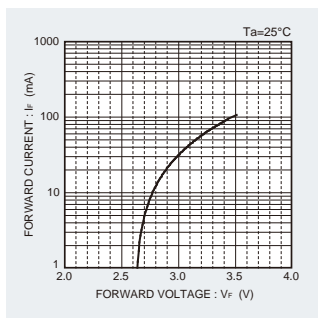


## Viewing Angle

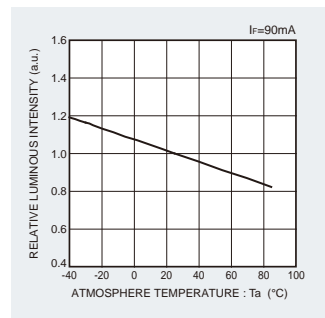


## Electrical Characteristics Curves

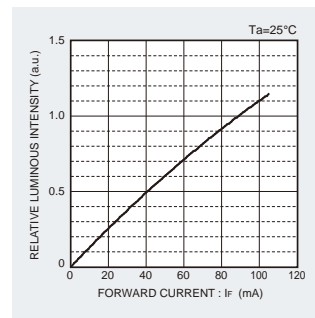
### Forward Current-Forward Voltage



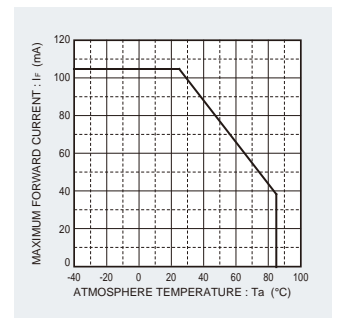
### Luminous Intensity-Atmosphere Temperature



### Luminous Intensity-Forward Current



### Derating



- SMLV36WBFAW
- SMLV36WBFBW
- SMLV36WBFCW
- SMLV36WBFDW

- SMLV36WBFAW
- SMLV36WBFBW
- SMLV36WBFCW
- SMLV36WBFDW

- SMLV36WBFAW
- SMLV36WBFBW
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- SMLV36WBFAW
- SMLV36WBFBW
- SMLV36WBFCW
- SMLV36WBFDW

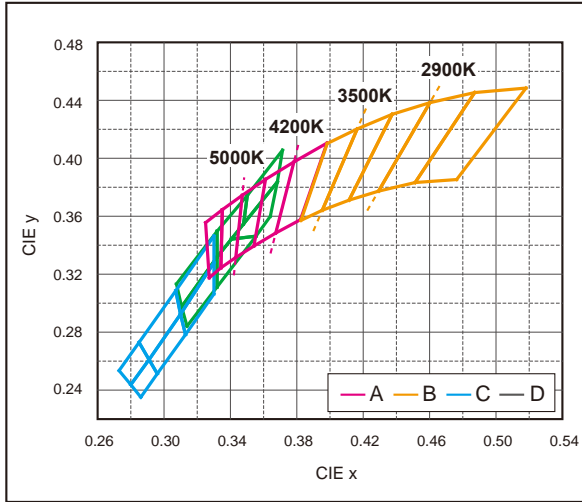
Rank Reference of Brightness

■ White (WB)

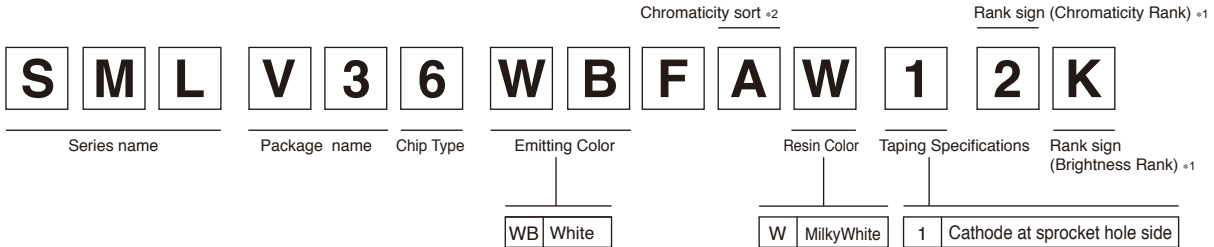
Package type	Package size (mm)	Height (mm)	Luminous intensity I <sub>f</sub> (mA)	Luminous intensity (cd)																		
				C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U		
Chip LEDs with Reflector	3528	0.6	90	2.2 to 2.8	2.8 to 3.3	3.3 to 4.0	4.0 to 4.8	4.8 to 5.8	5.8 to 7.0	7.0 to 8.5	8.5 to 10.2	10.2 to 12.3	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		
				SMLV36WBFAW																		
				SMLV36WBFBW																		
				SMLV36WBFCW																		
SMLV36WBFDW																						

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

Chromaticity Diagram



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 distributor if necessary.

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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