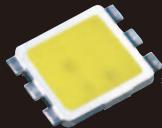


# SMLV36 series



Actual size

3528(1411)

3.5×2.8mm (t=0.6mm)

## Features

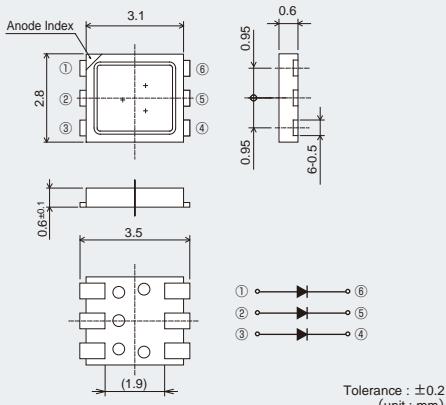
- High heat radiation, high efficiency white LEDs
- Low height made possible by flat frame structure

Color Type WB

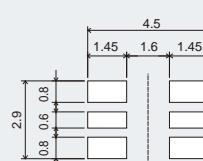
## Specifications

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 IfP(mA)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage Vf Typ.(V)	Chromaticity Coordinates (x, y)	Luminous Intensity Iv Min. (mcd)	Luminous Intensity Iv Typ. (mcd)	Luminous Flux Φv If(mA)	Forward Voltage Vf Typ.(V)	Chromaticity Coordinates (x, y)	Luminous Intensity Iv Min. (mcd)	Luminous Intensity Iv Typ. (mcd)	Luminous Flux Φv If(mA)									
□SMLV36WBFAW	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)	(20)										
□SMLV36WBFBW		High Color Rend. (3000K)								(0.44,0.40)																
□SMLV36WBFCW		White								(0.30,0.28)		5.8	8.5	90												
□SMLV36WBFDW										(0.34,0.34)				(30)												

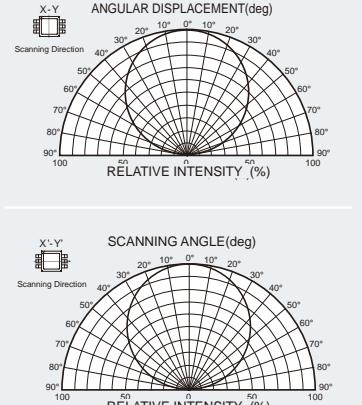
## Dimensions



## Recommended Solder Pattern

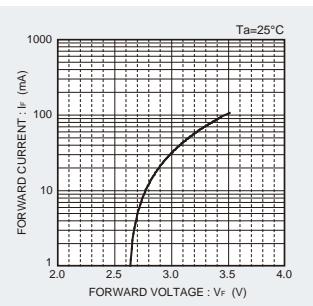


## Viewing Angle

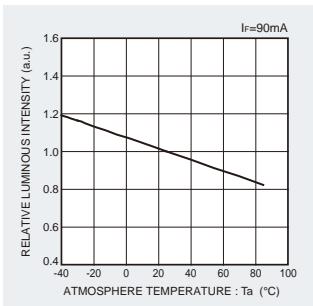


## Electrical Characteristics Curves

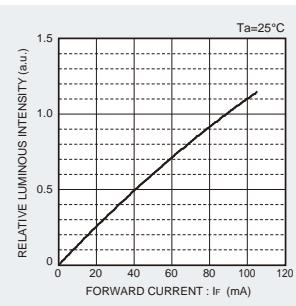
### Forward Current-Forward Voltage



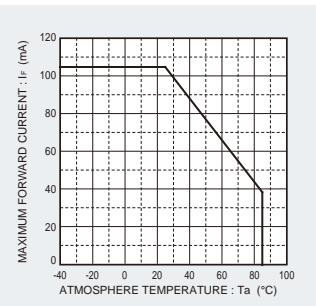
### Luminous Intensity-Atmosphere Temperature



### Luminous Intensity-Forward Current



### Derating



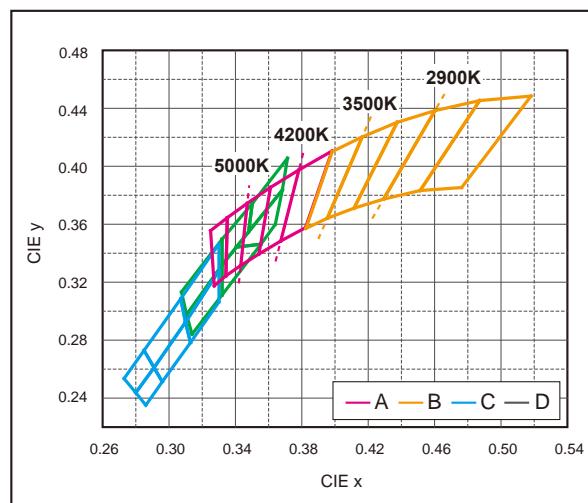
■ □SMLV36WBFAW  
□SMLV36WBFBW  
□SMLV36WBFCW  
□SMLV36WBFDW

## Rank Reference of Brightness

## ■ White (WB)

※ Brightness on specification sheet include tolerance of within  $\pm 10\%$ .

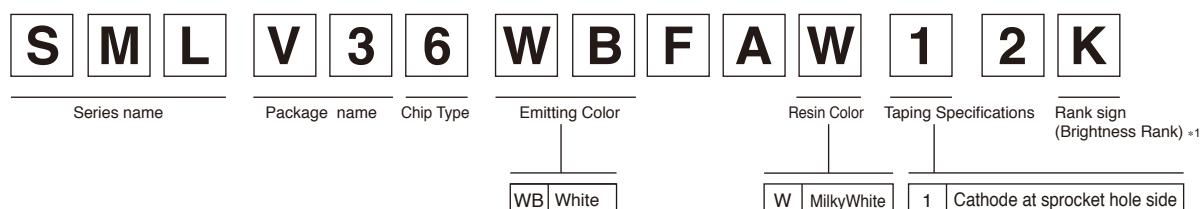
## Chromaticity Diagram



### Part No. Construction

### Chromaticity sort \*2

### Rank sign (Chromaticity Rank) \*1



### \*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.

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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