


SMLV36 series

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

Features

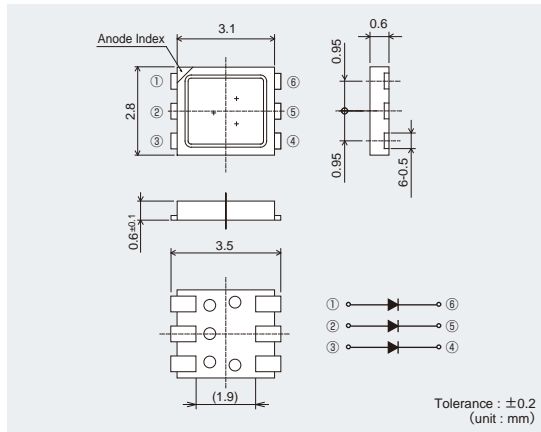
- High heat radiation, high efficiency white LEDs
- Low height made possible by flat frame structure

Color Type WB

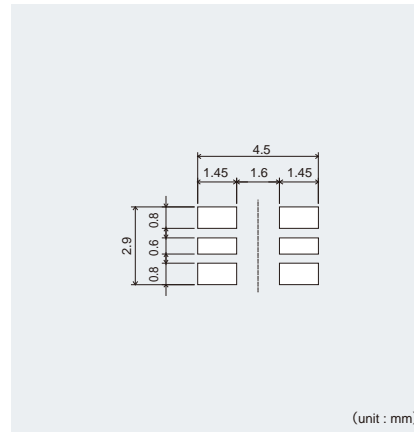
Specifications

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 _F P(mA)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage V _F Typ.(V)	Forward Current IF(mA)	Chromaticity Coordinates (x, y)	IF(mA)	Luminous Intensity I _v (mcd)		Luminous Flux Φ _v (lm)		
<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	4.8	7.0	(25)	90	
<input type="checkbox"/> SMLV36WBFBW		High Color Rend (3000K)										(0.44,0.40)	(20)			
<input type="checkbox"/> SMLV36WBFCW		White										5.8	8.5	90		(30,0.28)
<input type="checkbox"/> SMLV36WBFDW																

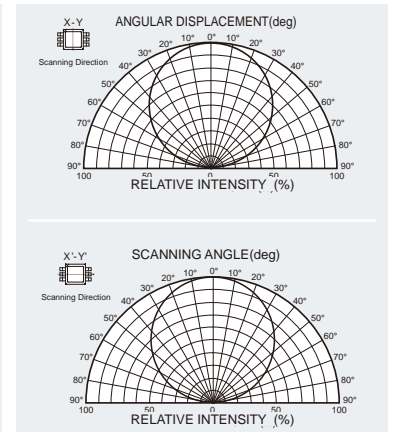
Dimensions



Recommended Solder Pattern

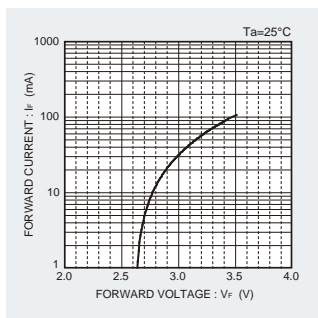


Viewing Angle

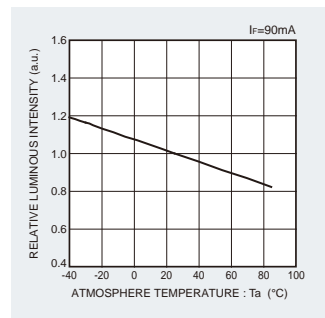


Electrical Characteristics Curves

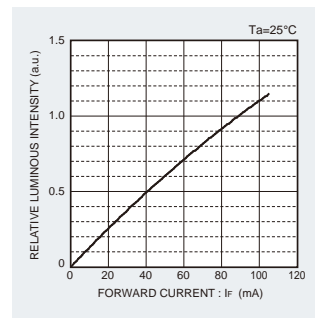
Forward Current-Forward Voltage



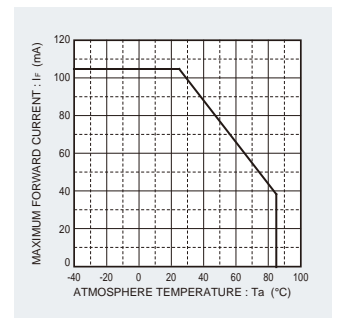
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



- SMLV36WBFAW
- SMLV36WBFBW
- SMLV36WBFCW
- SMLV36WBFDW

- SMLV36WBFAW
- SMLV36WBFBW
- SMLV36WBFCW
- SMLV36WBFDW

- SMLV36WBFAW
- SMLV36WBFBW
- SMLV36WBFCW
- SMLV36WBFDW

- SMLV36WBFAW
- SMLV36WBFBW
- SMLV36WBFCW
- SMLV36WBFDW

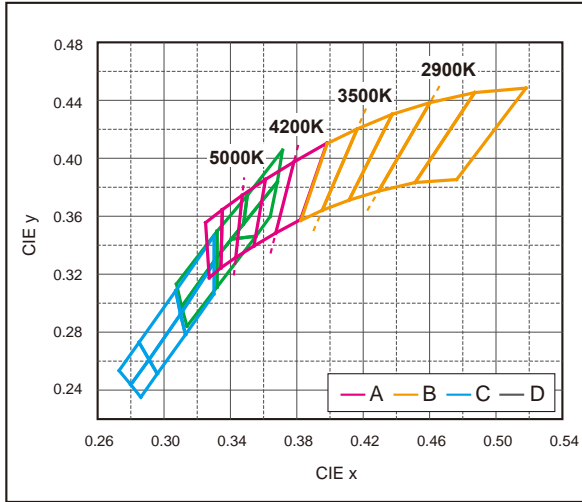
Rank Reference of Brightness

White (WB)

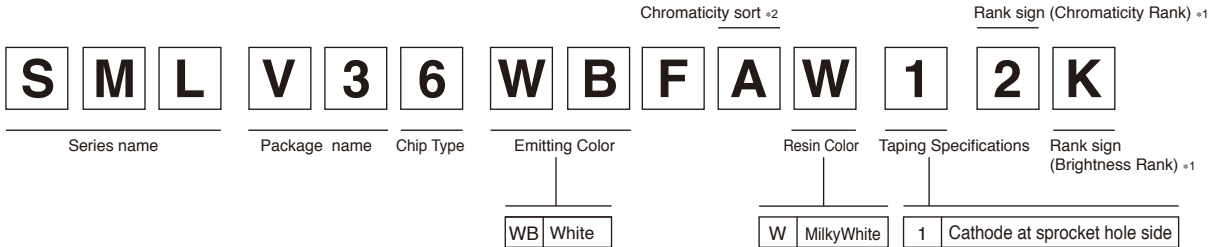
Package type	Package size (mm)	Height (mm)	Luminous intensity I _f (mA)	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U
				2.2 to 2.8	2.8 to 3.3	3.3 to 4.0	4.0 to 4.8	4.8 to 5.8	5.8 to 7.0	7.0 to 8.5	8.5 to 10.2	10.2 to 12.3	12.3 to 14.8	14.8 to 19	19 to 21.8	21.8 to 24.5	24.5 to 27.2	27.2 to 29.3	29.3 to 32.6	32.6 to 35.4
Chip LEDs with Reflector	3528	0.6	90	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.

Notes

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