



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



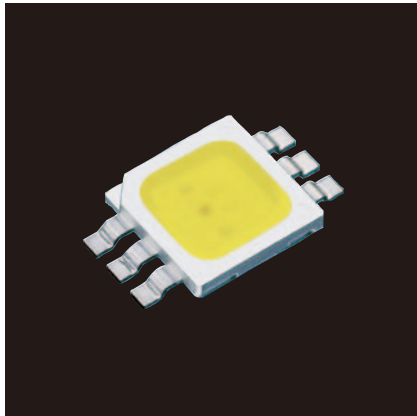
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SMLW36 series

Actual size
 7950(3120)
 7.9×5.0mm(t=1.1mm)

Features

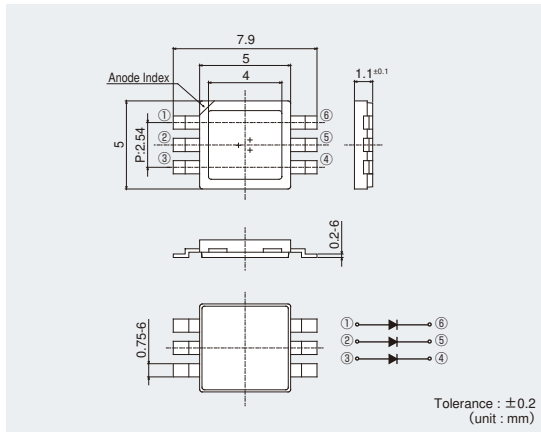
- High heat dissipation, high efficiency white LEDs

Color Type WB

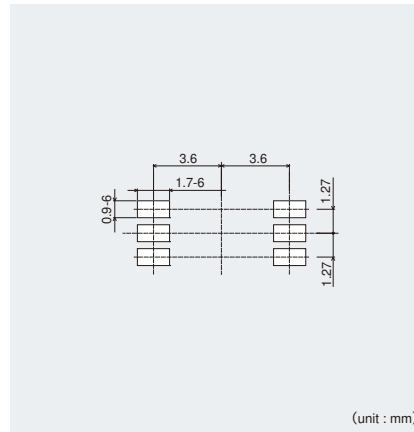
Specifications

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 _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 Iv			Luminous Flux Φ _v	
											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								(0.30,0.28)		(30)				
<input type="checkbox"/> SMLW36WBFDW										(0.34,0.34)		(10.2)				

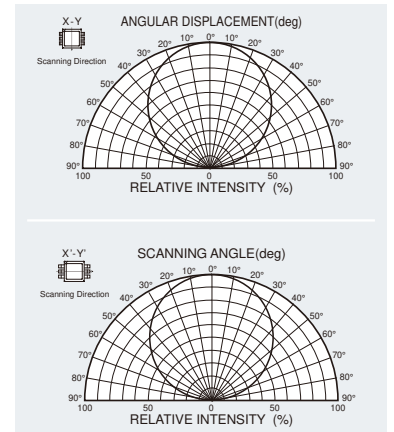
Dimensions



Recommended Solder Pattern

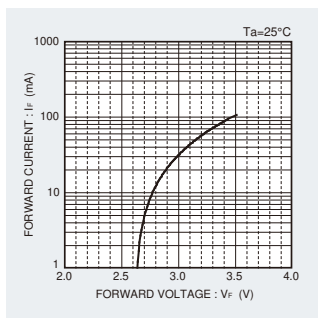


Viewing Angle

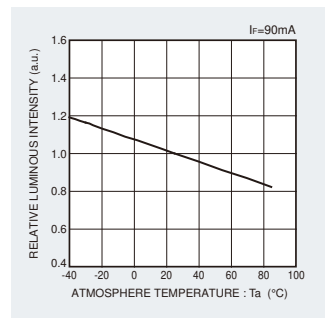


Electrical Characteristics Curves

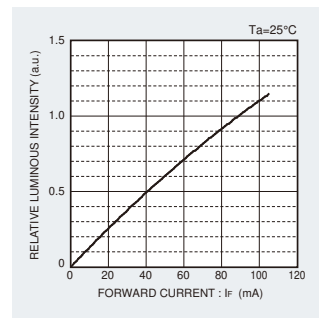
■ Forward Current-Forward Voltage



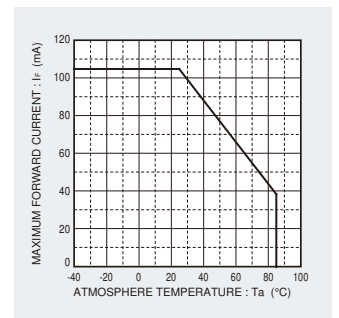
■ Luminous Intensity-Atmosphere Temperature



■ Luminous Intensity-Forward Current



■ Derating



- SMLW36WBFAW
- SMLW36WBFBW
- SMLW36WBFCW
- SMLW36WBFDW

- SMLW36WBFAW
- SMLW36WBFBW
- SMLW36WBFCW
- SMLW36WBFDW

- SMLW36WBFAW
- SMLW36WBFBW
- SMLW36WBFCW
- SMLW36WBFDW

- SMLW36WBFAW
- SMLW36WBFBW
- SMLW36WBFCW
- SMLW36WBFDW

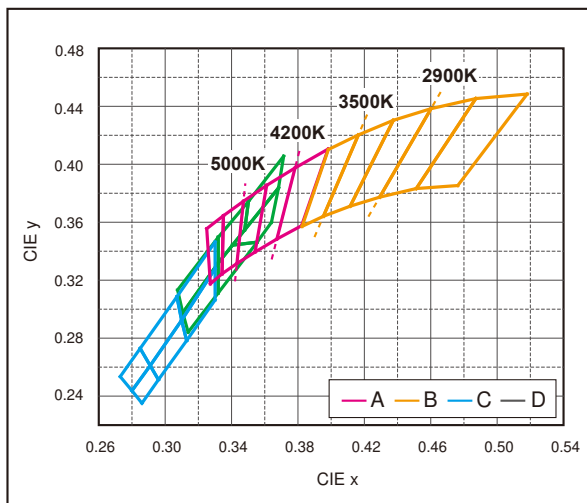
Rank Reference of Brightness

White (WB)

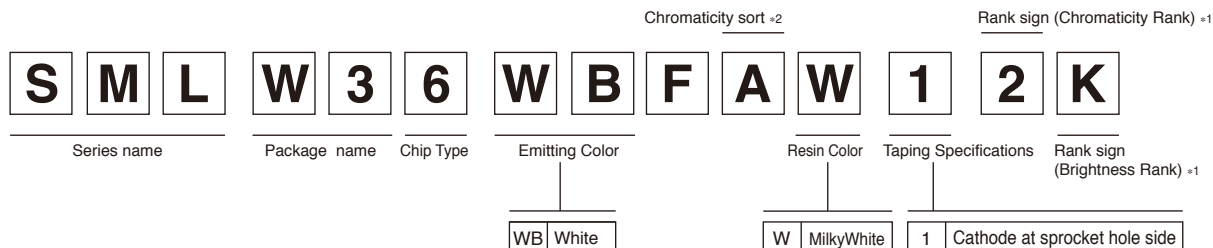
Package type	Package size (mm)	Height (mm)	Luminous intensity (cd)	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U
Chip LEDs with Reflector	7950	1.1	90	2.2 to 2.8	2.8 to 3.3	3.3 to 4.0	4.0 to 4.8	4.8 to 5.8	5.8 to 7.0	7.0 to 8.5	8.5 to 10.2	10.2 to 12.3	12.3 to 14.8	14.8 to 19	19 to 21.8	21.8 to 24.5	24.5 to 27.2	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.

Notes

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