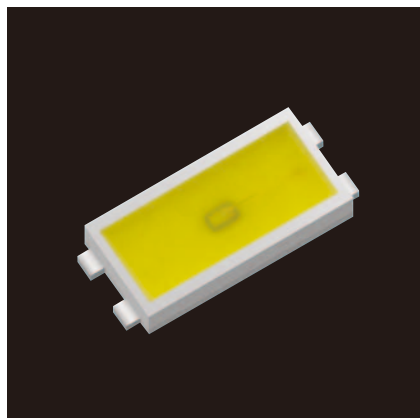




SMLK34 series

PSML2

4520(1808)
 4.5×2.0mm(t=0.6mm)

Specifications

- High heat radiation package from ROHM original flat frame structure.
- Warm white, True white.

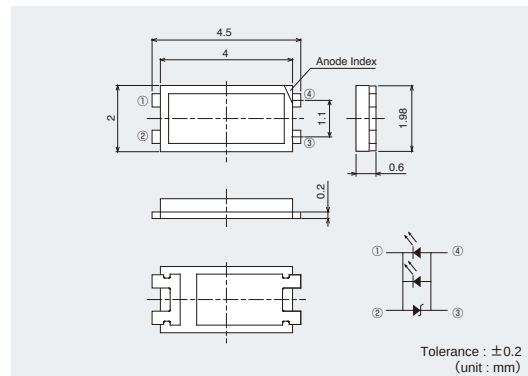
Color Type **WB**

Specifications

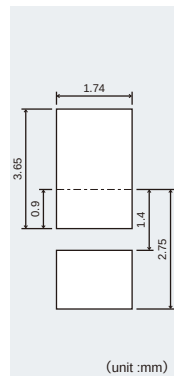
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)					
			Power Dissipation Pd(mW)	Forward Current If(mA)	Peak Forward Current Ifp(mA)	Reverse Voltage Vr(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage Vf(Typ.)(V)	If(mA)	Chromaticity Coordinates (x, y)	Luminous Intensity Iv(Luminous Flux Φv)(mcd)	Iv(mA)	Iv(mA)
☐ SMLK34WBECW	InGaN	White	360	90	300*	-	-40 to +100	-40 to +100	3.4	60	(0.30, 0.28)	4000	5500	(14)
☐ SMLK34WBEDW		High color rendering index (5000K)									(0.34, 0.34)			
☐ SMLK34WBEAW		High color rendering index (3000K)									(0.345, 0.351)	2200	3800	(9.5)
☐ SMLK34WBEBW		High color rendering index (3000K)									(0.44, 0.40)			

*Duty1/10 1kHz (): Reference

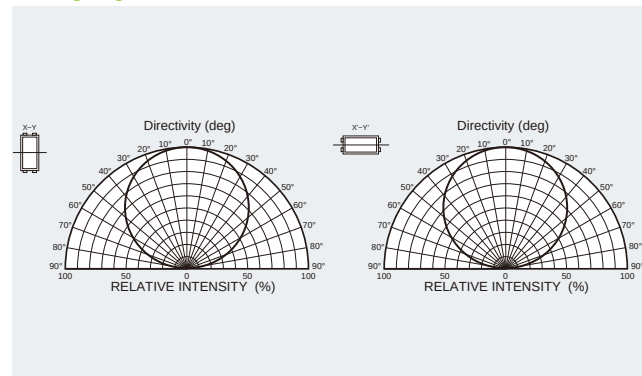
Dimensions



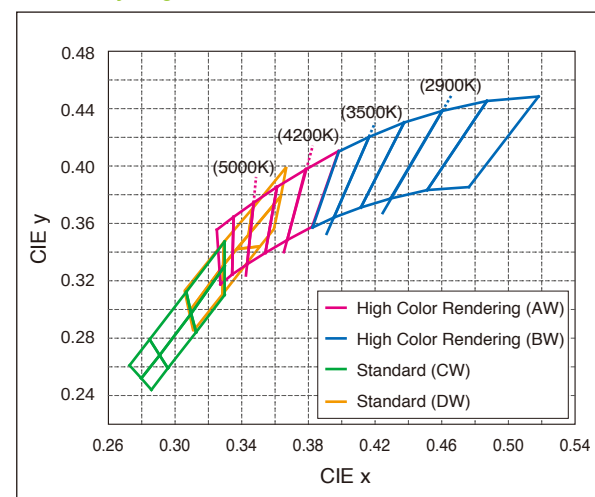
Recommended Solder Pattern



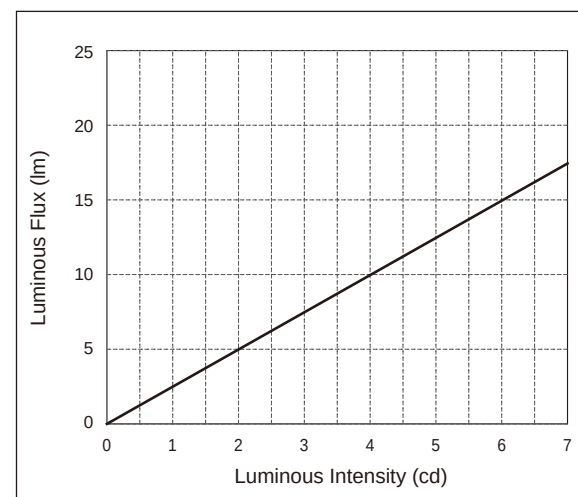
Viewing Angle



Chromaticity Diagram

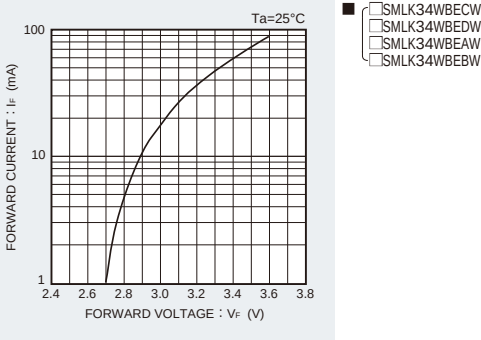


IV-θv

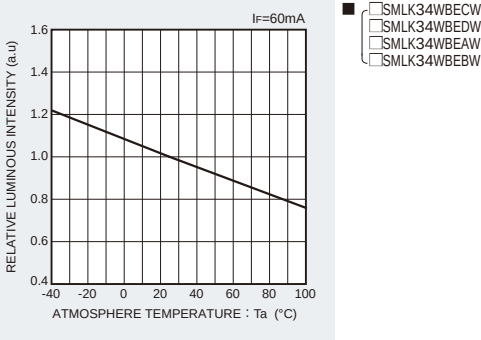


Electrical Characteristics Curves

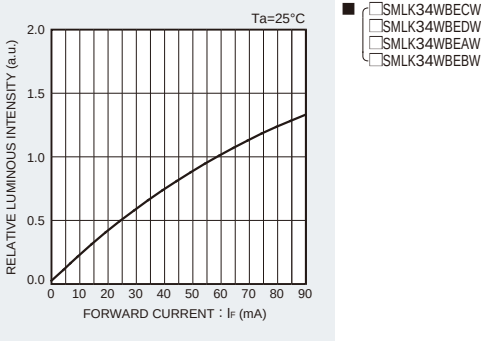
Forward Current-Forward Voltage



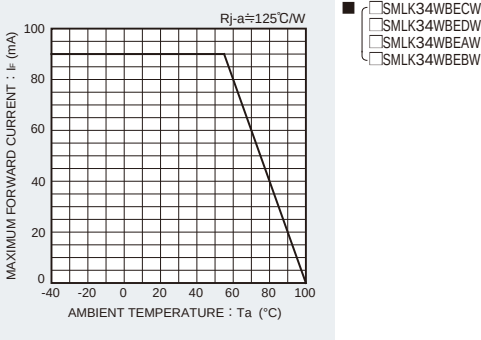
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



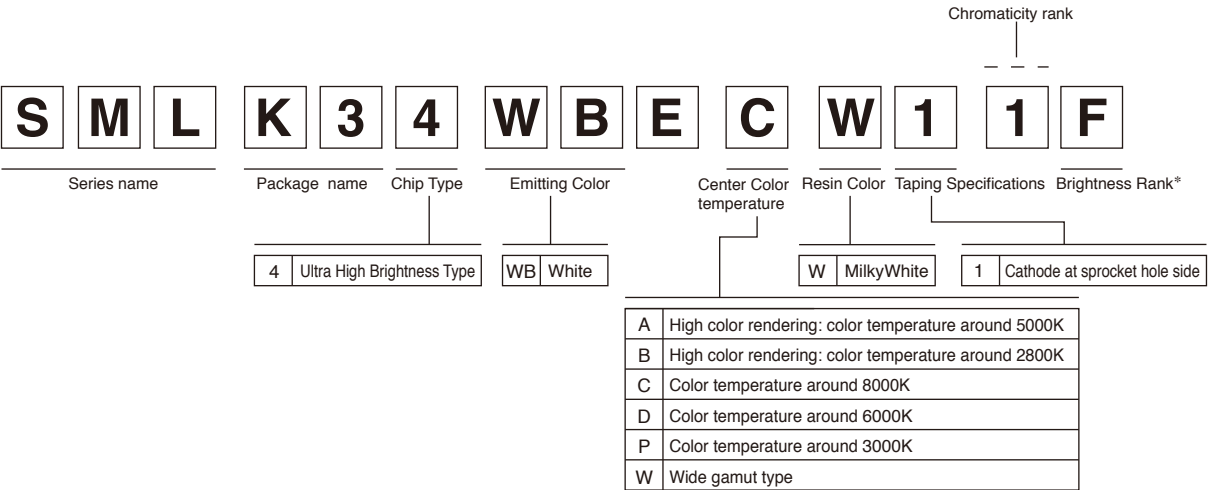
Rank Reference of Brightness

White (WB)

(Ta=25°C, If=60mA)

	Package size (mm)	Luminous intensity (mcd)	Height (mm)	C	D	E	F	G	H
				2200 to 2700	2700 to 3300	3300 to 4000	4000 to 4800	4800 to 5800	5800 to 7000
PSML2	4520	0.6		SMLK34WBEAW					
				SMLK34WBEBW					
							SMLK34WBECW		
							SMLK34WBEDW		

Part No. Construction



- * Concerning the Brightness rank
- Please refer to the rank chart above for luminous intensity 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.

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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