

●Features

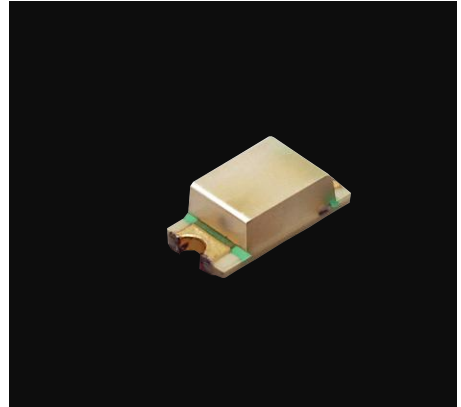
- Original device technology enables high brightness and high reliability
- Single Rank products

●Size

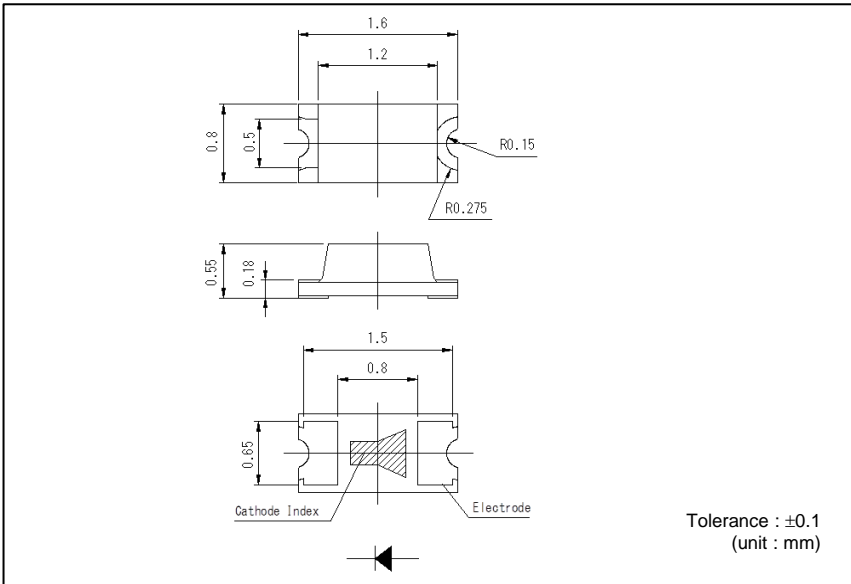
1608 (0603)
1.6 × 0.8mm (t=0.55mm)



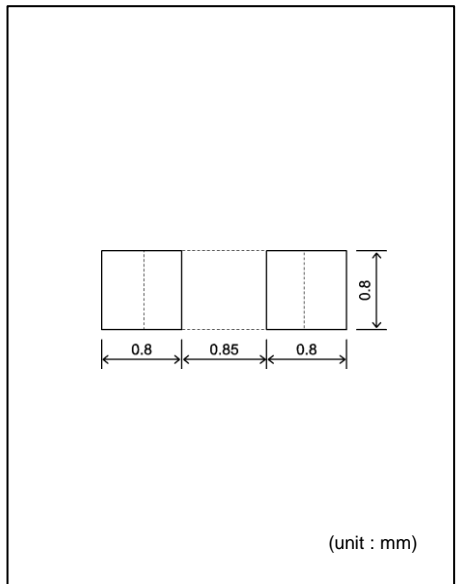
●Outline



●Dimensions



●Recommended Solder Pattern



●Specifications

Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)					Electrical and Optical Characteristics (Ta=25°C)											
			Power Dissipation P _D (mW)	Forward Current I _F (mA)	Peak Forward Current I _{FP} (mA)	Reverse Voltage V _R (V)	Operating Temp. Topr(°C)	Storage Temp. Tstg(°C)	Forward Voltage V _F (V)	Reverse Current I _R (μA)	Dominant Wavelength λ _D (nm)			Luminous Intensity I _v (mcd)					
SML-D15VW	AlGaInP	Red	84	35	100*1	5	-40 to +100	-40 to +100	2.0	20	10	5	Min.*2	Typ.	Max.*2	I _F	Min.	Typ.	I _v
627													630	634	71		90		
616													620	624	90		112		
SML-D15UW		Orange	87	35	100*1	5	-40 to +100	-40 to +100	2.0	20	10	5	Min.*2	Typ.	Max.*2	I _F	Min.	Typ.	I _v
612													615	618	112		140		
602													605	608	180		224		
SML-D15DW	Yellow	87	35	100*1	5	-40 to +100	-40 to +100	2.1	20	10	5	Min.*2	Typ.	Max.*2	I _F	Min.	Typ.	I _v	
587												590	593	56		71			
SML-D15YW	Yellowish Green	87	35	100*1	5	-40 to +100	-40 to +100	2.1	20	10	5	Min.*2	Typ.	Max.*2	I _F	Min.	Typ.	I _v	
568												571	574	56		71			

*1:Duty1/10, 1kHz *2:Reference

●Electrical Characteristics Curves

reference

Fig.1 Forward Current - Forward Voltages

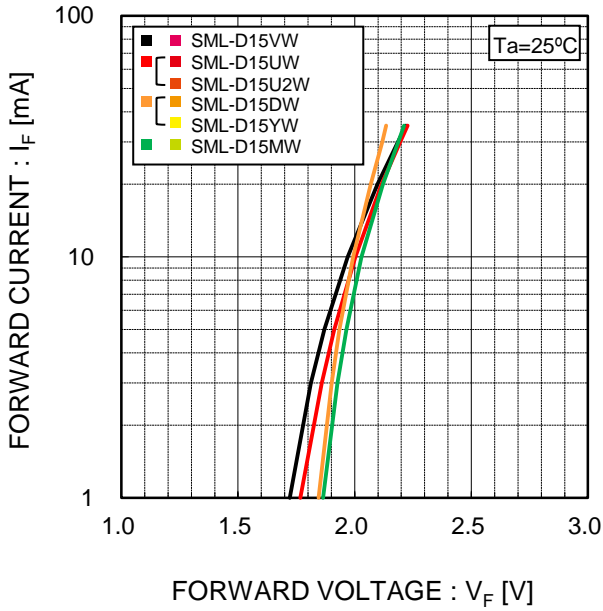


Fig.2 Luminous Intensity - Atmosphere Temperature

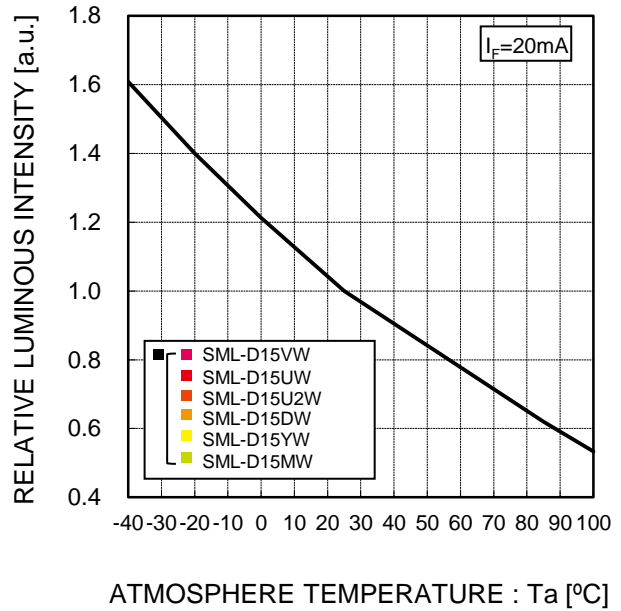


Fig.3 Luminous Intensity - Forward Current

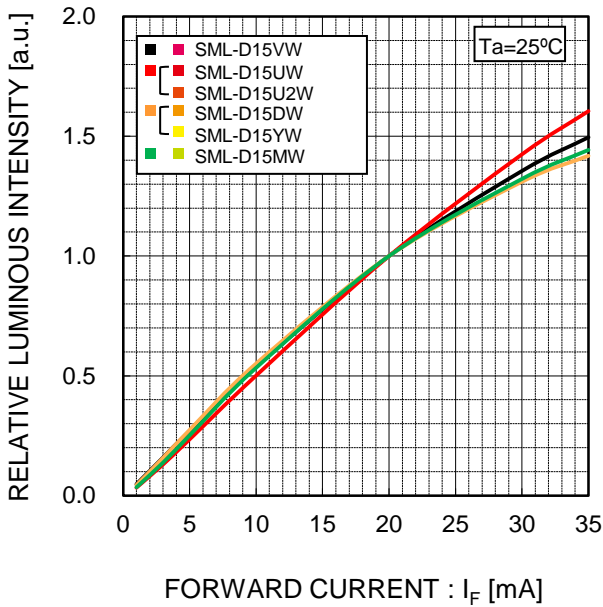
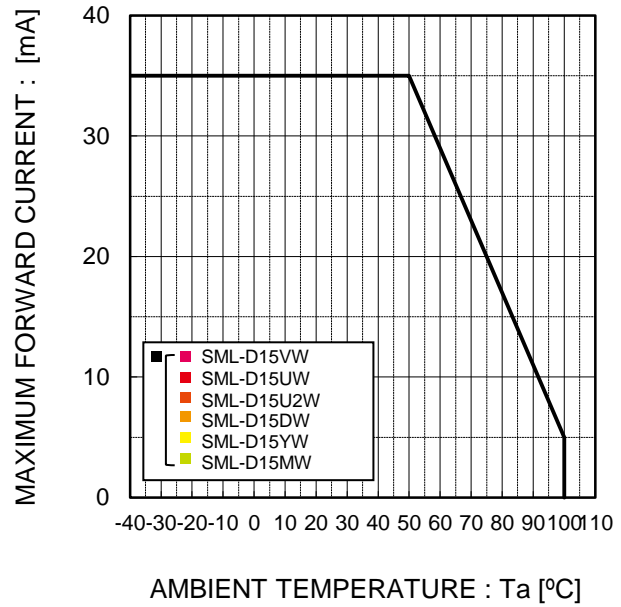


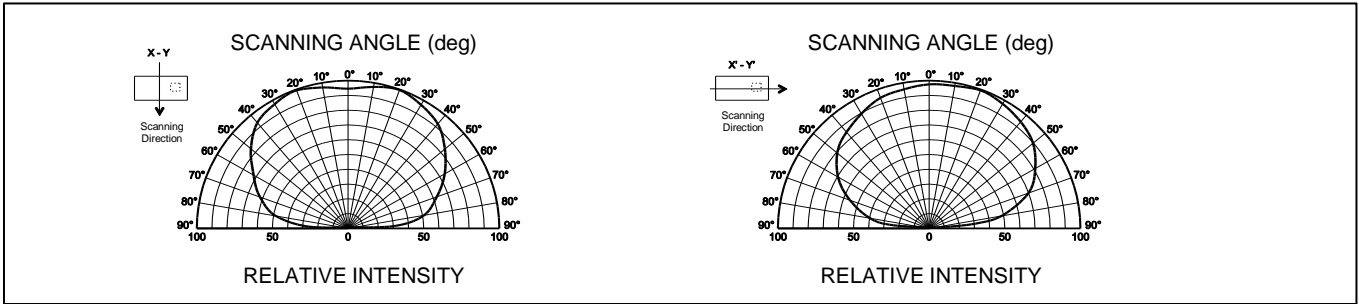
Fig.4 Derating



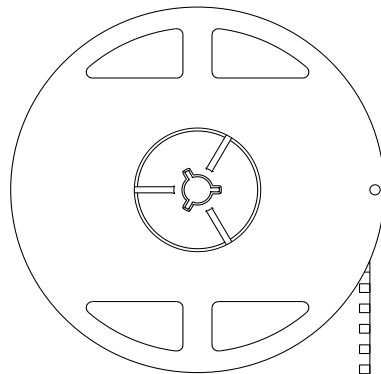
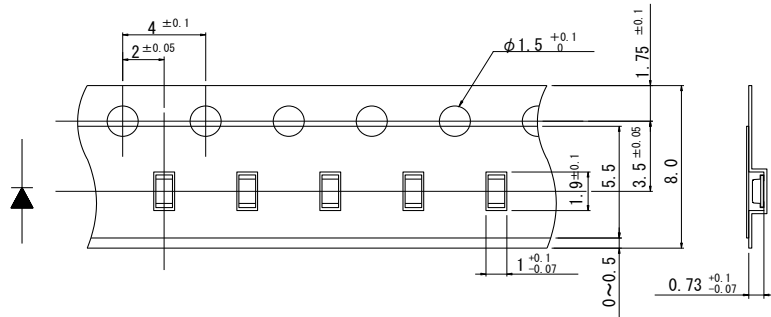
TjMax ... 110°C
 *Cu foil : 1.5mm × 1.0mm t=0.035mm
 Cathode PCB : FR4 t=0.8mm

reference

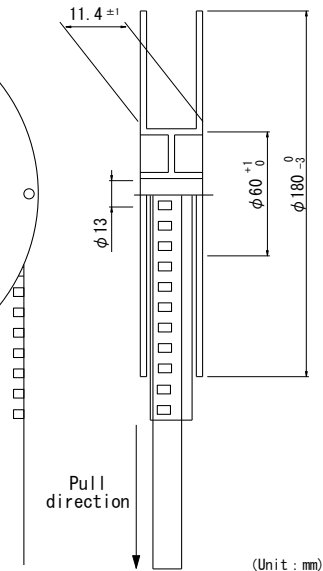
●Viewing Angle



●Taping [T86]



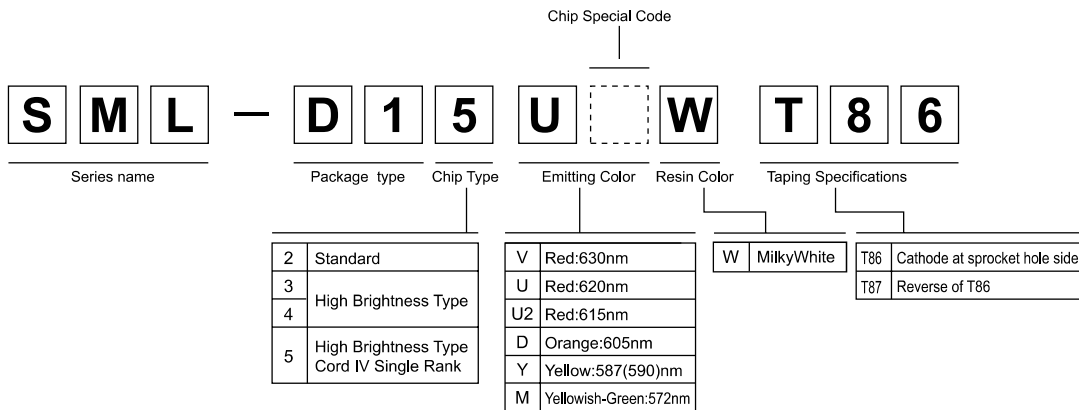
Packing quantity
3000pcs/reel



(Unit : mm)

(Note) Tolerance is within ±0.2mm, unless otherwise specified.

●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.

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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