

●Features

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

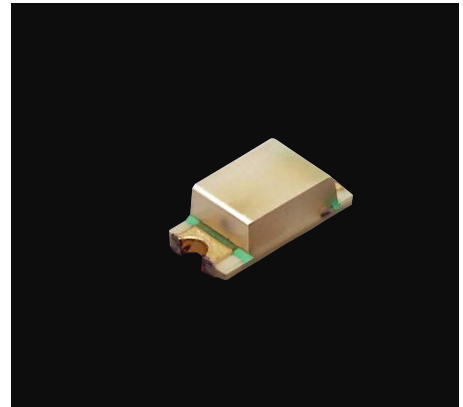
●Size

1608 (0603)
1.6 × 0.8mm (t=0.55mm)

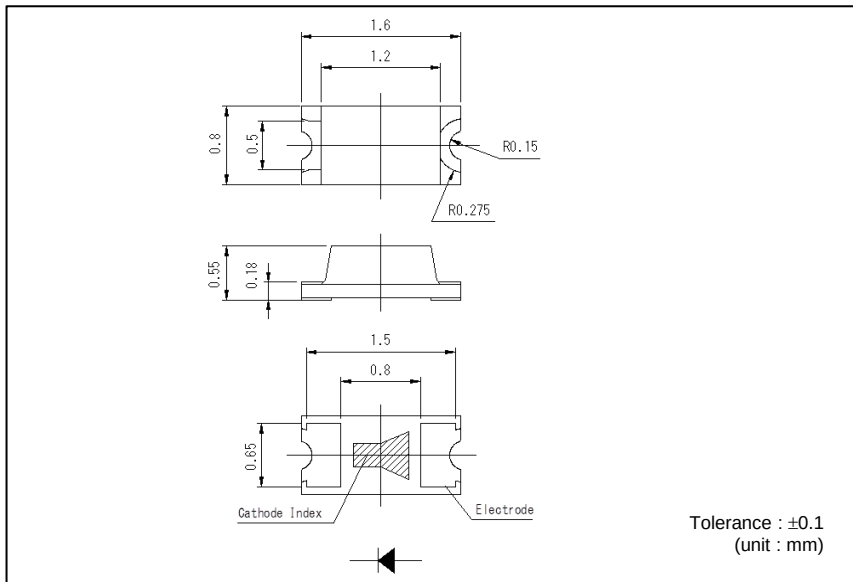
Color
Type



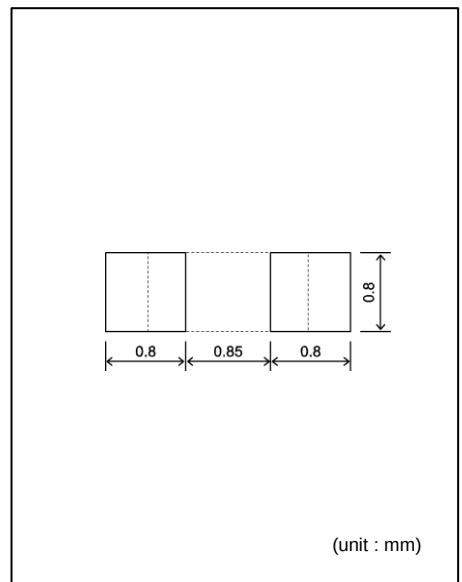
●Outline



●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	Forward Current	Peak Forward Current	Reverse Voltage	Operating Temp.	Storage Temp.	Forward Voltage V _F	Reverse Current I _R	Dominant Wavelength λ _D			Luminous Intensity I _v			I _F	I _F
			P _D (mW)	I _F (mA)	I _{FP} (mA)	V _R (V)	Topr(°C)	Tstg(°C)	Typ. (V)	I _F (mA)	Max. (μA)	V _R (V)	Min.*2 (nm)	Typ. (nm)	Max.*2 (nm)	I _F (mA)	Min. (mcd)	Typ. (mcd)
SML-D15VW	AlGaInP	Red	84	35	100*1	5	-40 to +100	-40 to +100	2.0	20	10	5	627	630	634	20	71	90
SML-D15UW													616	620	624		90	112
SML-D15U2W													612	615	618		112	140
SML-D15DW		Orange	87	35	100*1	5	-40 to +100	-40 to +100	2.1	20	10	5	602	605	608	20	180	224
SML-D15YW		Yellow											587	590	593		56	71
SML-D15MW		Yellowish Green											568	571	574		56	71

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

reference

●Electrical Characteristics Curves

Fig.1 Forward Current - Forward Voltages

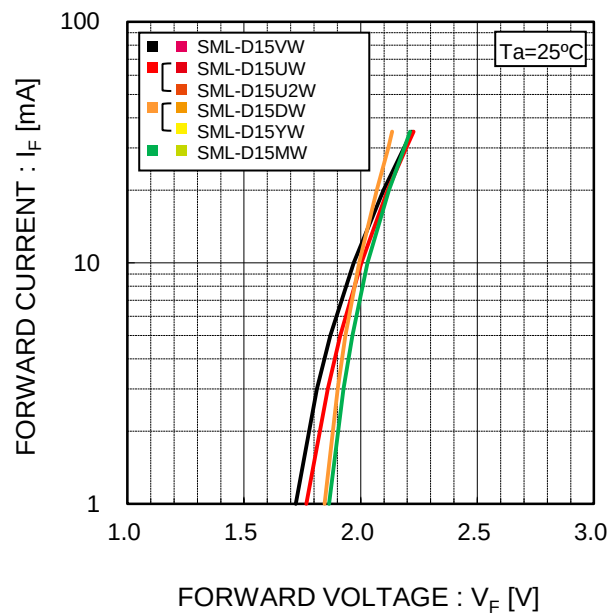


Fig.2 Luminous Intensity - Atmosphere Temperature

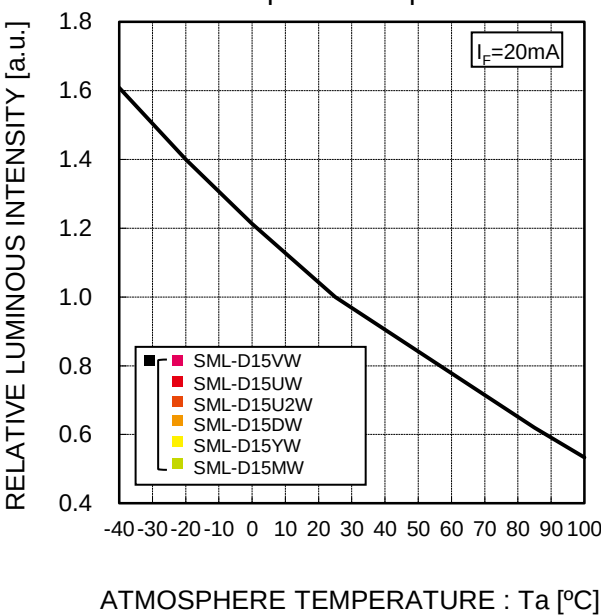


Fig.3 Luminous Intensity - Forward Current

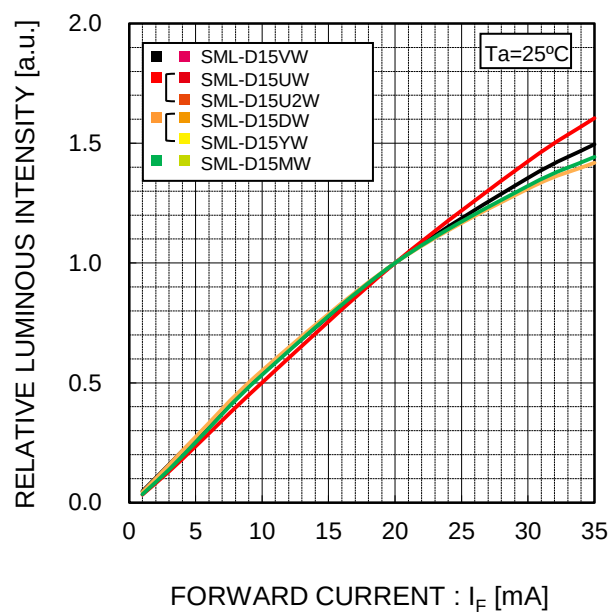
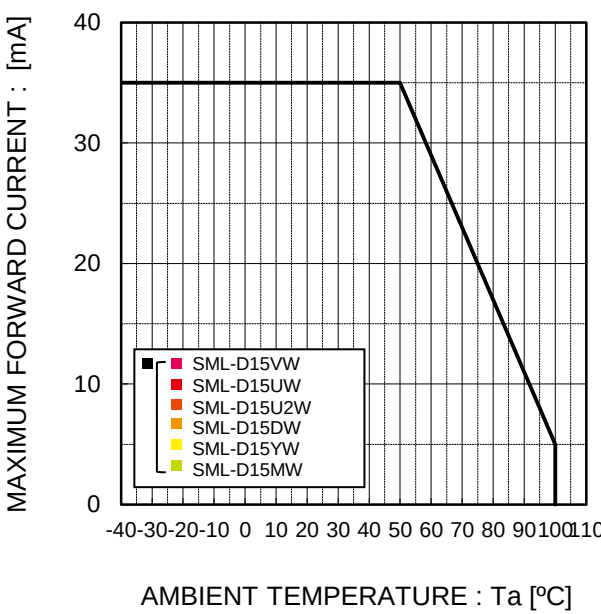


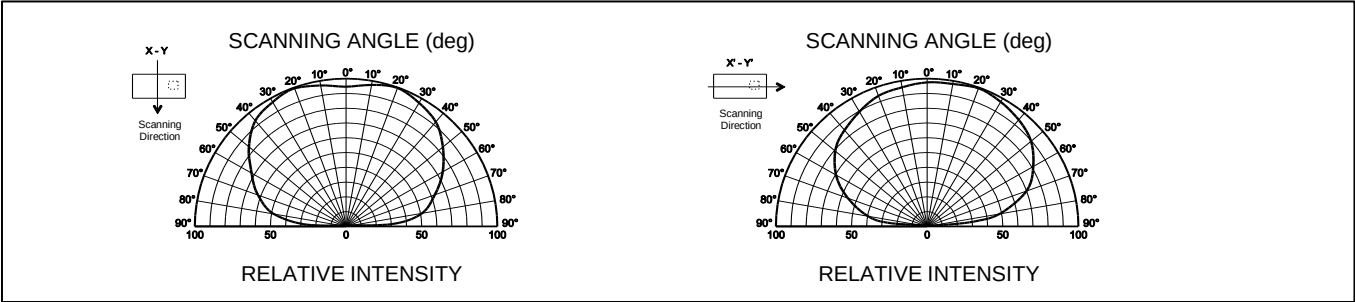
Fig.4 Derating



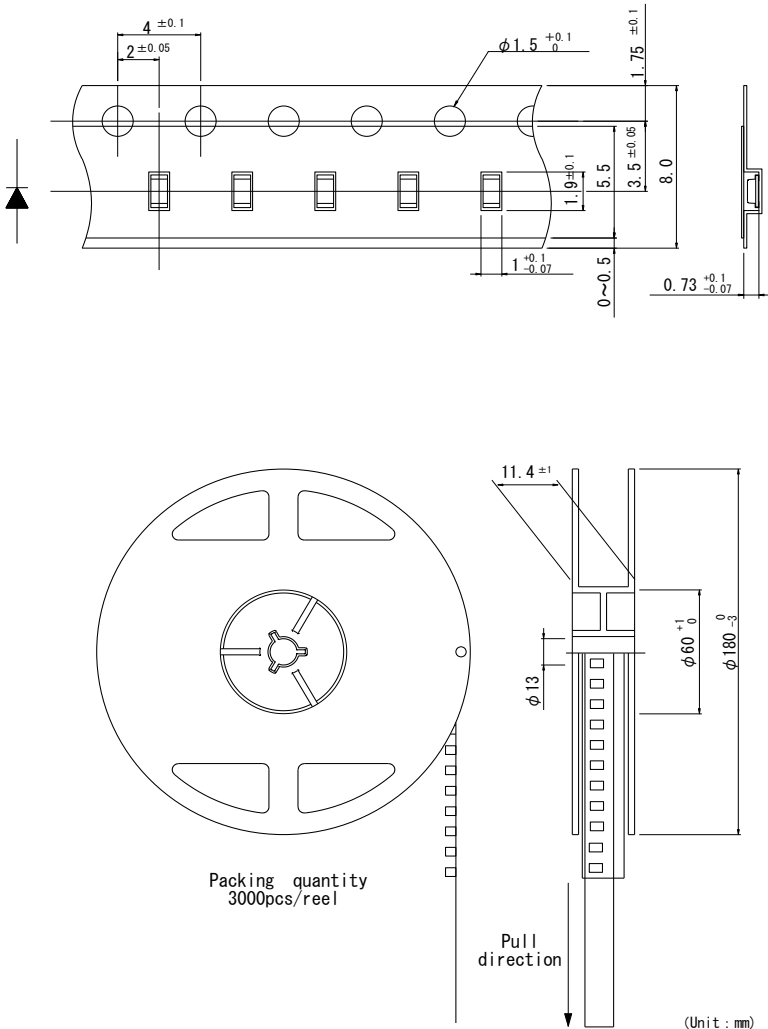
$T_{j\text{Max}} \dots 110^\circ\text{C}$
*Cu foil : 1.5mm $\times$ 1.0mm $t = 0.035\text{mm}$
Cathode PCB : FR4 $t = 0.8\text{mm}$

reference

●Viewing Angle

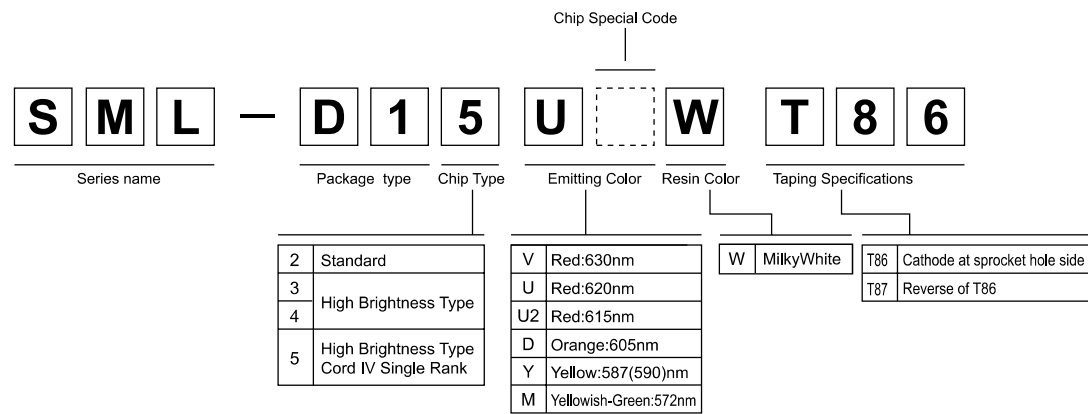


●Taping [T86]



(Note) Tolerance is within $\pm 0.2\text{mm}$, 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.

Notes

- 1) The information contained herein is subject to change without notice.
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- 4) Examples of application circuits, circuit constants and any other information contained herein are provided only to illustrate the standard usage and operations of the Products. The peripheral conditions must be taken into account when designing circuits for mass production.
- 5) The technical information specified herein is intended only to show the typical functions of and examples of application circuits for the Products. ROHM does not grant you, explicitly or implicitly, any license to use or exercise intellectual property or other rights held by ROHM or any other parties. ROHM shall have no responsibility whatsoever for any dispute arising out of the use of such technical information.
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<http://www.rohm.com/contact/>

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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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