



# MSL0101 series




## SRGB-S

### Features

- Side view RGB LEDs
- High brightness, superior color mixing

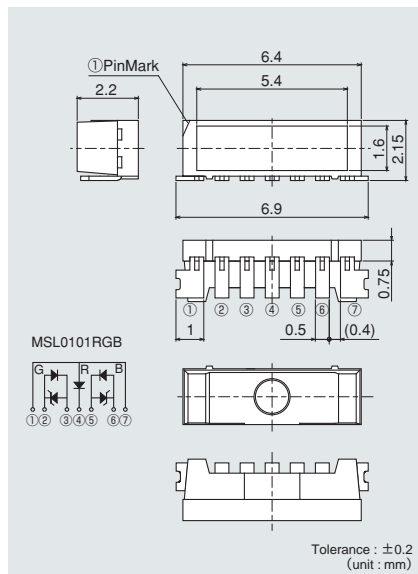


### Specifications

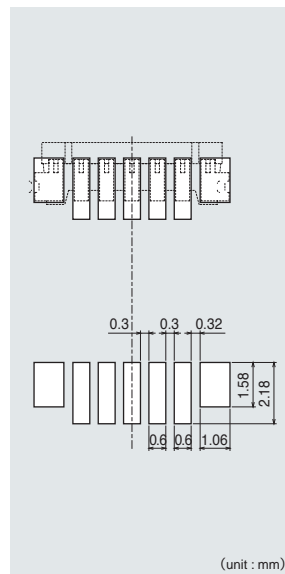
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)											
			Power Dissipation P <sub>D</sub> (mW)	Forward Current I <sub>F</sub> (mA)	Peak Forward Current I <sub>FP</sub> (mA)	Reverse Voltage V <sub>R</sub> (V)	Operating Temperature T <sub>opr</sub> (°C)	Storage Temperature T <sub>stg</sub> (°C)	Forward Voltage V <sub>F</sub>		Reverse Current I <sub>R</sub>		Dominant Wavelength λ <sub>D</sub>				Luminous Intensity I <sub>v</sub>			
									Typ.(V)	I <sub>F</sub> (mA)	Max. (μA)	V <sub>R</sub> (V)	Min. (nm)	Typ. (nm)	Max. (nm)	I <sub>F</sub> (mA)	Min. (mcd)	Typ. (mcd)	I <sub>F</sub> (mA)	
	AlGaInP	Red		50					2.1		10	5	619	624	629		450	700		
 <b>MSL0101RGB</b>	InGaN	Green	400	40	100 <sup>*</sup>	5	-40 to +85	-40 to +100	3.3	20			520	527	535	20	710	1200	20	
		Blue								3.2				465	470	475		220	400	

※ Duty 1/20, 1ms or less

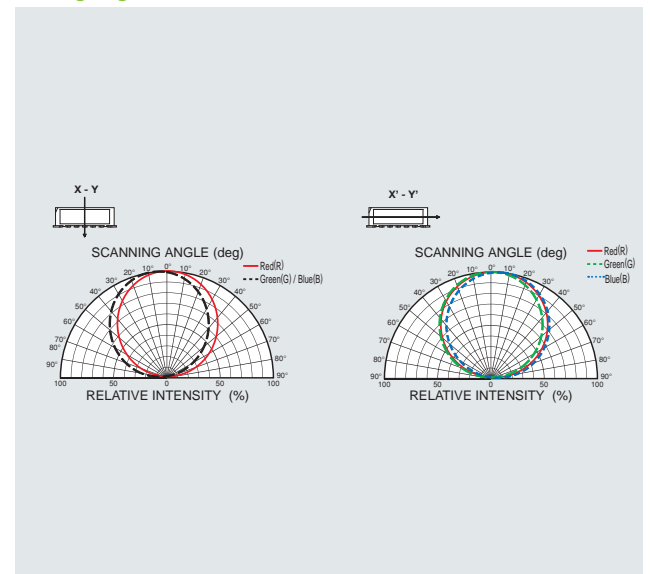
### Dimensions



### Recommended Solder Pattern

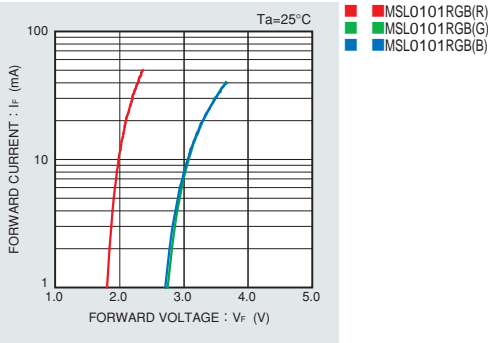


### Viewing Angle

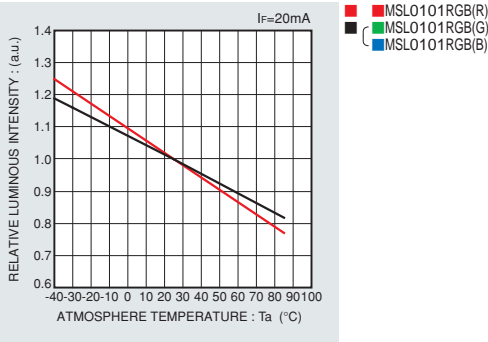


Electrical Characteristics Curves

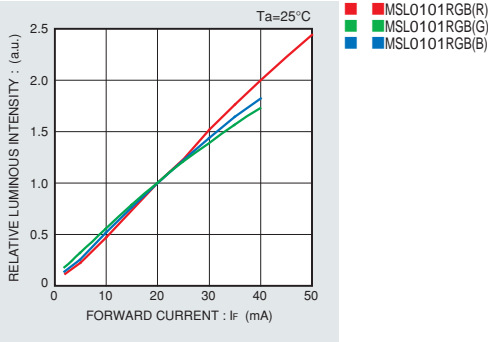
Forward Current-Forward Voltage



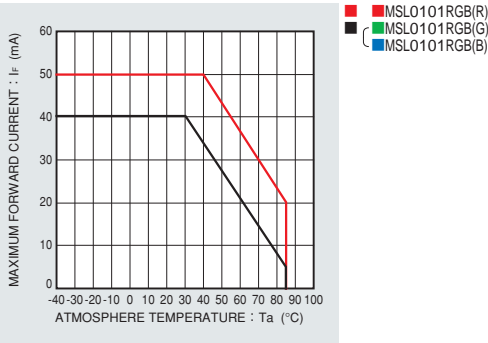
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating

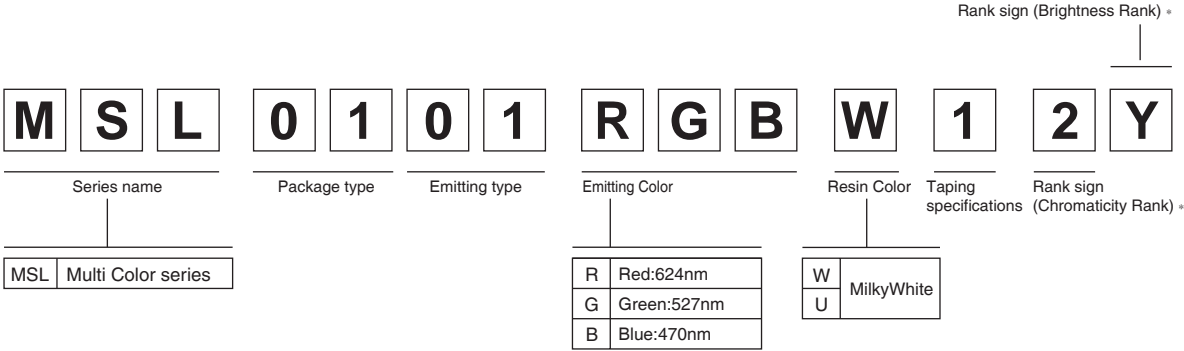


Rank Reference of Brightness

■ Triple Color

Package structure	Package size	Height (mm)	I <sub>r</sub> (mA)	Luminous Intensity (mcd) Emitting Color	140 to 180	180 to 220	220 to 280	280 to 360	360 to 450	450 to 560	560 to 710	710 to 900	900 to 1100	1100 to 1400	1400 to 1800	1800 to 2200	2200 to 2800
Side View (Reflector)	6922	2.15	20	Red													
				Green													
				Blue													

Part No. Explanation



W

1

2

Y

Resin Color

Taping specifications

Rank sign (Brightness Rank) \*

Rank sign (Chromaticity Rank) \*

W

U

MilkyWhite

- \* Concerning the rank
- At three color lighting simultaneously <for white LED>
  - 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.
- \* Please refer to the Specification sheet about Taping specification.

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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