



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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# MSL0101 series

## SRGB-S

### Features

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

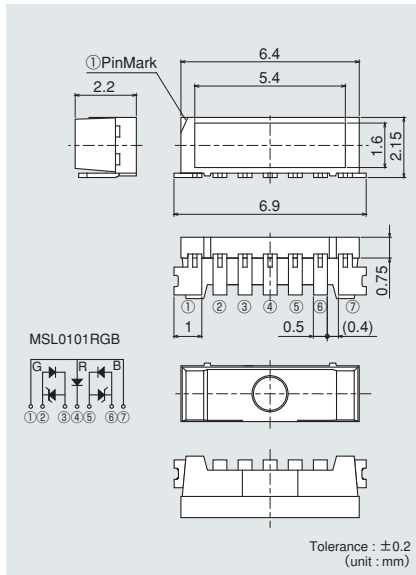


### Specifications

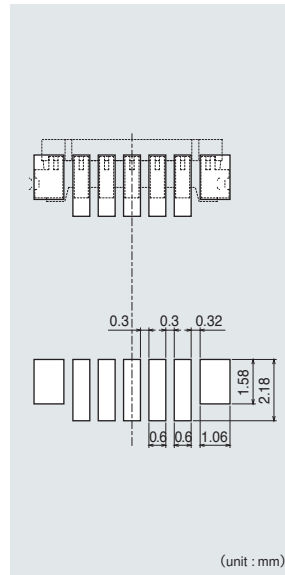
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)									
			Power Dissipation Pd (mW)	Forward Current If (mA)	Peak Forward Current Ifp (mA)	Reverse Voltage Vr (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage Vf		Reverse Current Ir		Dominant Wavelength λD			Luminous Intensity Iv		
								Typ. (V)	If (mA)	Max. (μA)	Vr (V)	Min.*2 (nm)	Typ. (nm)	Max.*2 (nm)	If (mA)	Min. (mcd)	Typ. (mcd)	If (mA)
■	AlGaN/P	Red		50				2.1		10	5	619	624	629		450	700	
■ <b>MSL0101RGB</b>	InGaN	Green	400	40	100*	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

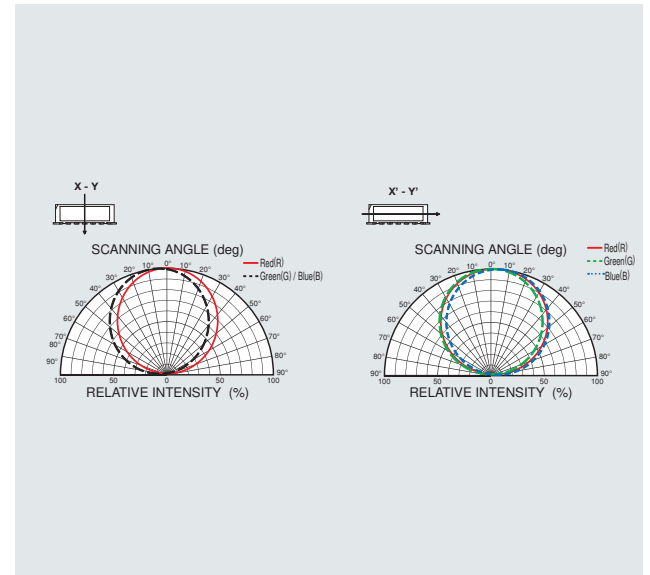
### Dimensions



### Recommended Solder Pattern

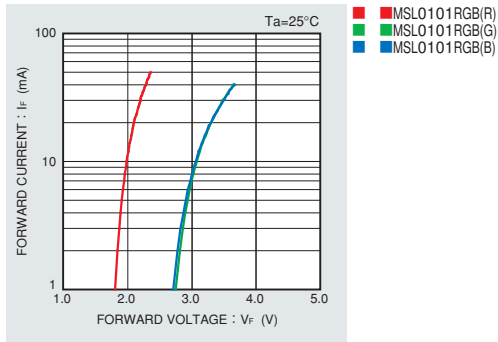


### Viewing Angle

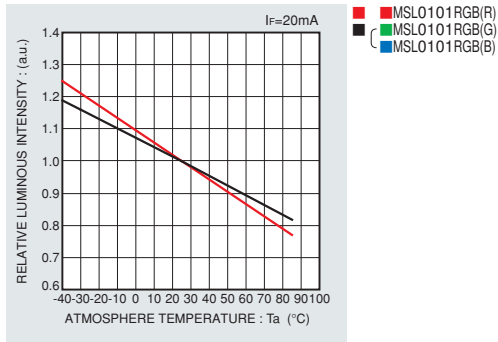


Electrical Characteristics Curves

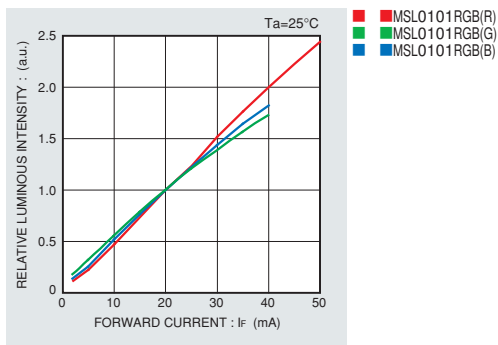
Forward Current-Forward Voltage



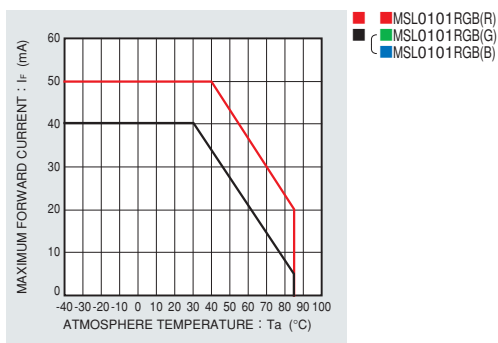
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating

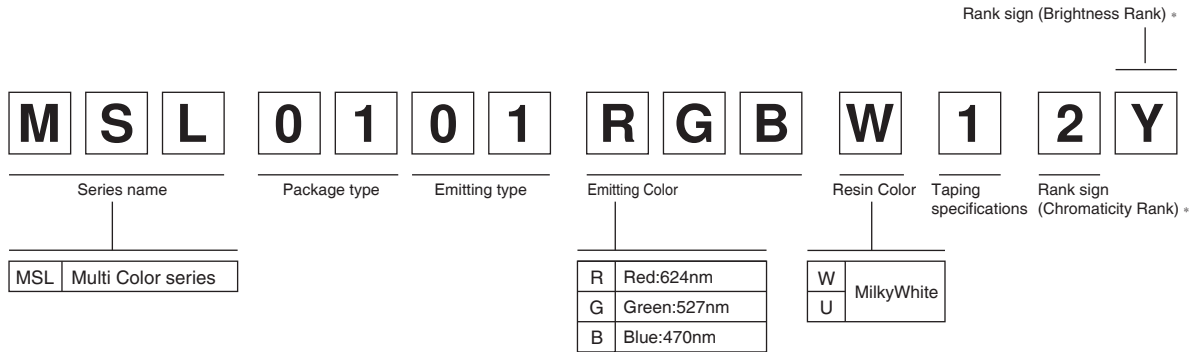


## Rank Reference of Brightness

### ■ Triple Color

Package structure	Package size	Height (mm)	If (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



- \* 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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