

# MSL0201RGB

## PICOLED™-RGB-side

3013(1150)  
3.05 × 1.3mm (t=0.43mm)

### Features

- Small and thin Side view package RGB LED
- PICOLED™-RGB-side

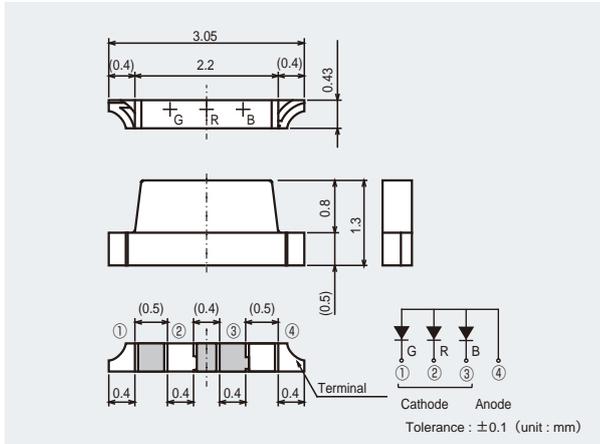


### Specifications

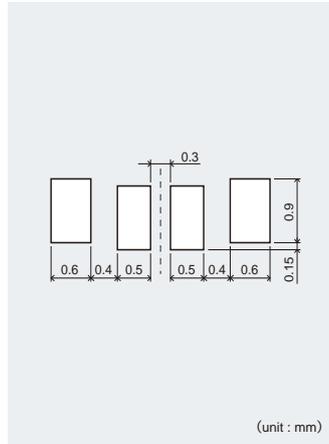
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)					Electrical and Optical Characteristics (Ta=25°C)								
			Forward Current IF (mA)	Peak Forward Current IFP (mA)	Reverse Voltage VR (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage VF		Reverse Current IR		Dominant Wavelength λD			Luminous Intensity Iv	
			Typ. (V)	IF (mA)	Max. (μA)	VR (V)	Min. <sup>※2</sup> (nm)	Typ. (nm)	Max. <sup>※2</sup> (nm)	IF (mA)	Min. (mcd)	Typ. (mcd)	IF (mA)			
■ <b>MSL0201RGB</b> (Side view)	AlGaInP	Red	2.1				618	624	630		11	25				
	InGaN	Green	3.0	5	100	5	519	527	536	5	56	90	5			
		Blue	2.9				464	470	476		11	22				

※1 : Duty ≤ 1/20, 1kHz ※2 : Reference

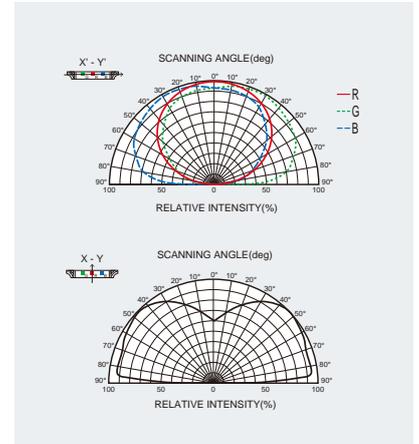
### Dimensions



### Recommended Solder Pattern



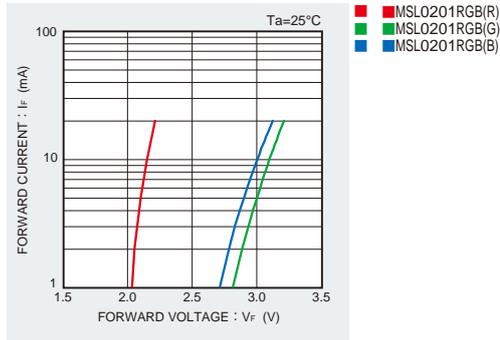
### Viewing Angle



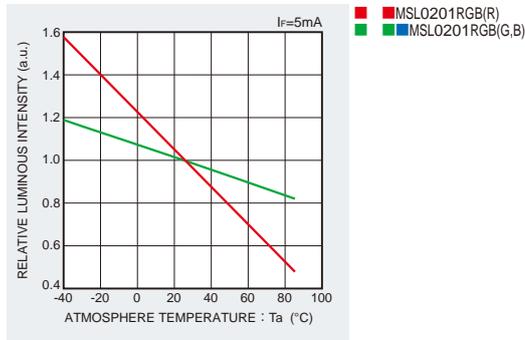
※ "PICOLED™" is a pending trademark of ROHM co., Ltd.

Electrical Characteristics Curves

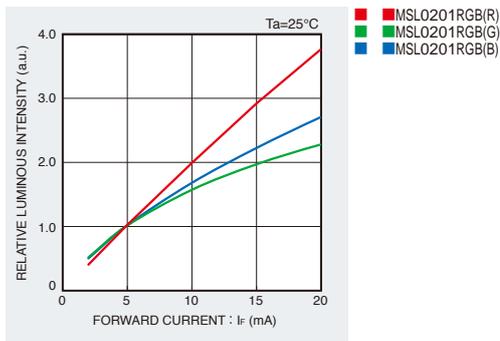
Forward Current-Forward Voltage



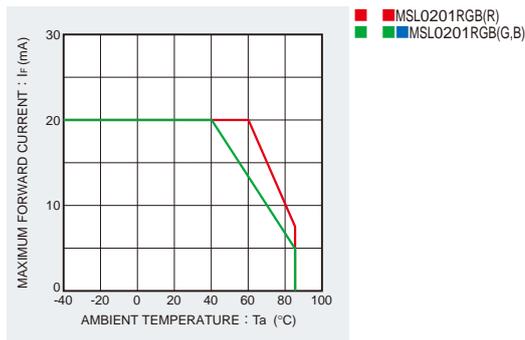
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

■ MSL2021RGB

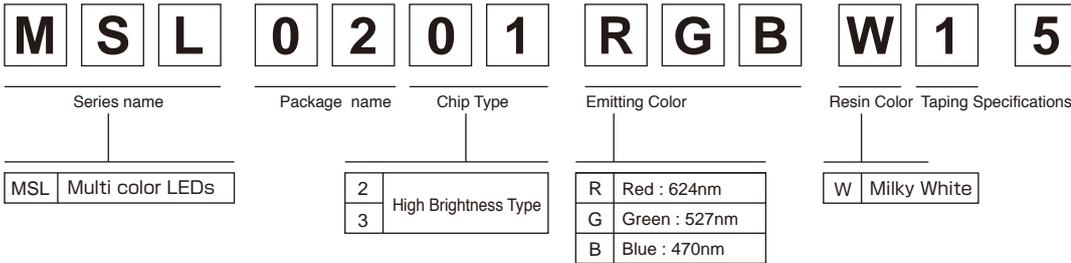
Unit(mcd) (Ta=25°C)

Side view type	Package size	Height (mm)	I <sub>F</sub> (mA)	Rank sign								
				Emitting Color								
Side view type	3013	0.43	5	Blue	11~22	22~45	11~22	22~45	11~22	22~45	11~22	22~45
				Green	56~90		90~140		56~90		90~140	
				Red	11~22				22~45			

\*Measurement tolerance ±10 %

Part No. Construction

Rank sign (Brightness Rank)\*



- \* 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.
- \* 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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