

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

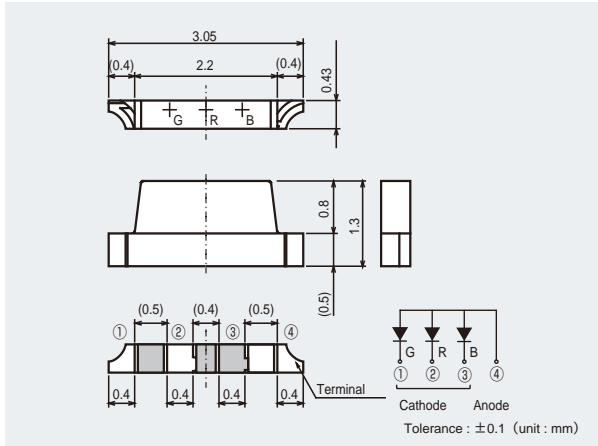


Specifications

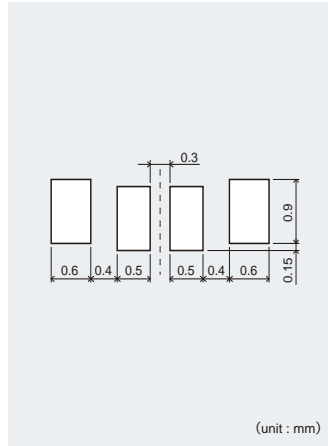
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)					Electrical and Optical Characteristics (Ta=25°C)										
			Forward Current IF (mA)	Peak Forward Current IFP (mA)	Reverse Voltage VR (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage VF		Reverse Current IR		Dominant Wavelength λD			Luminous Intensity Iv			
							Typ.(V)	IF(mA)	Max.(μA)	VR(V)	Min. ^{※2} (nm)	Typ.(nm)	Max. ^{※2} (nm)	IF(mA)	Min.(mcd)	Typ.(mcd)	IF(mA)	
■	AlGaInP	Red					2.1				618	624	630		11	25		
■ MSL0201RGB (Side view)	InGaN	Green	20	100*1	5	-40 to +85	-40 to +100	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

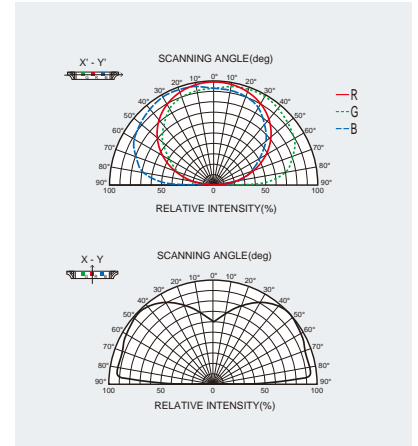
Dimensions



Recommended Solder Pattern



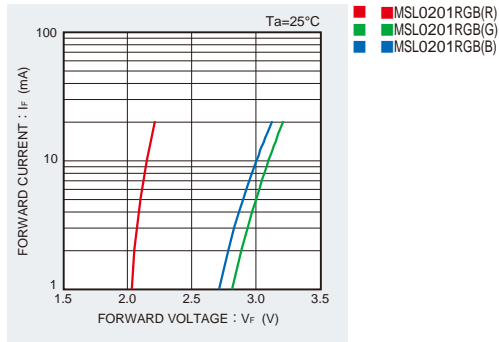
Viewing Angle



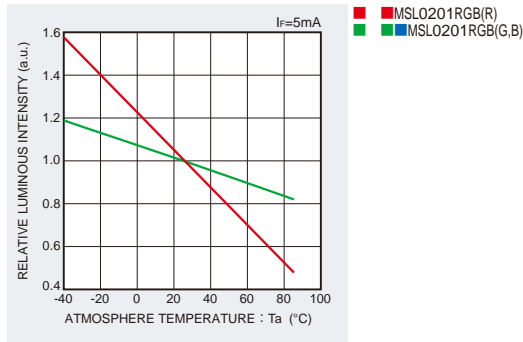
※ "PICOLED™" is a pending trademark of ROHM co., Ltd.

Electrical Characteristics Curves

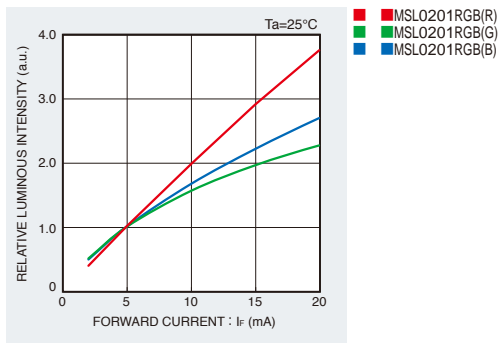
Forward Current-Forward Voltage



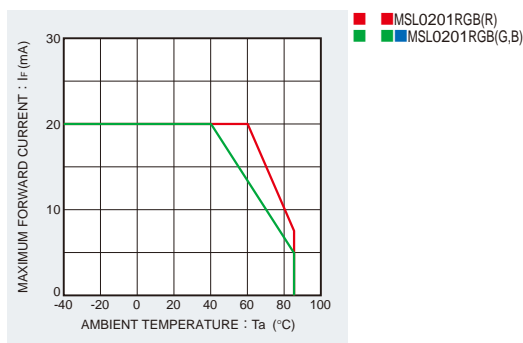
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

■ MSL2021RGB

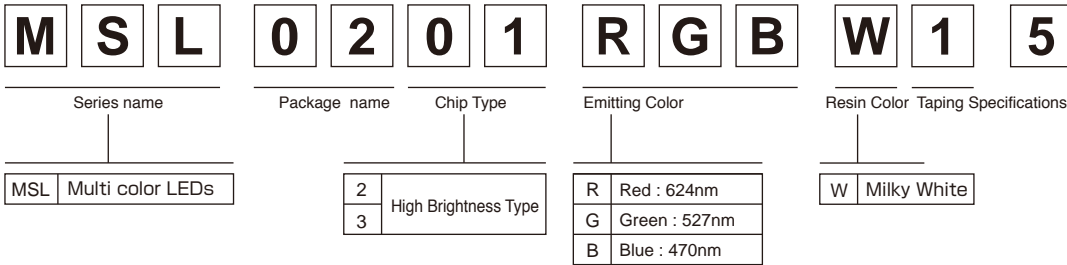
Unit(mcd) (Ta=25°C)

Side view type	Package size	Height (mm)	I _F (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.

Notes

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