

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

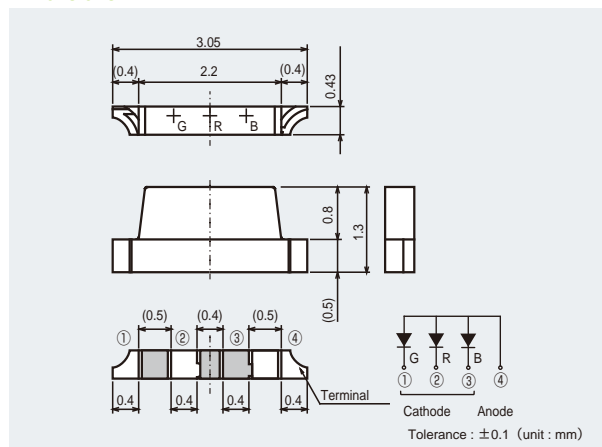


Specifications

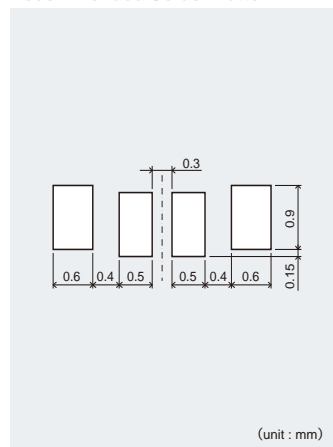
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)					Electrical and Optical Characteristics (Ta=25°C)									
			Forward Current IF (mA)	Peak Forward Current IFP (mA)	Reverse Voltage VR (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage VF Typ. (V)	IF (mA)	Reverse Current IR Max. (μA)	VR (V)	Dominant Wavelength λD (nm)			Luminous Intensity Iv (mcd)		
■ MSL0201RGB (Side view)	AlGaInP	Red						2.1				618	624	630	11	25	
	InGaN	Green	20	100※1	5	-40 to +85	-40 to +100	3.0	5	100	5	519	527	536	56	90	5
		Blue						2.9				464	470	476	11	22	

※1: Duty ≤ 1/20, 1kHz ※2: Reference

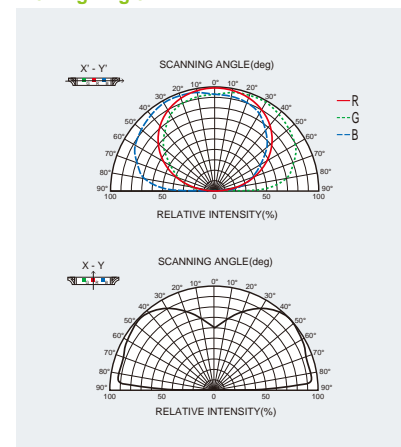
Dimensions



Recommended Solder Pattern



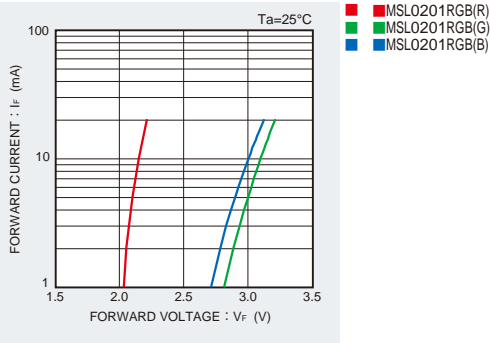
Viewing Angle



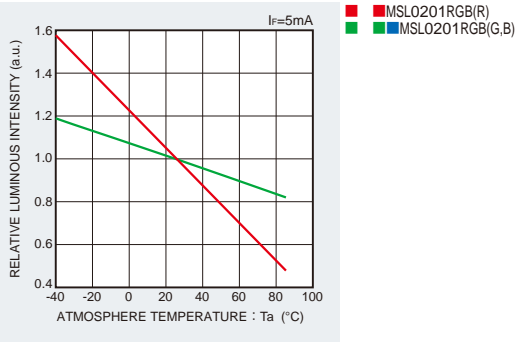
※ "PICOLED"™ is a pending trademark of ROHM co., Ltd.

Electrical Characteristics Curves

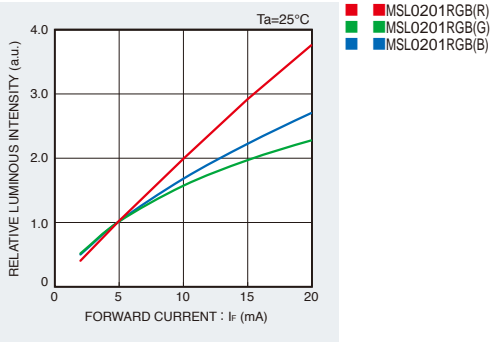
Forward Current-Forward Voltage



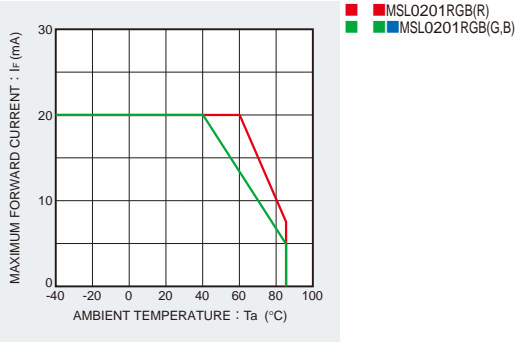
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

■MSL2021RGB

Unit(mcd) (Ta=25°C)												
Side view type	Package size	Height (mm)	If (mA)	Rank sign	1	2	3	4	5	6	7	8
				Emitting Color								
				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 %												

*Measurement tolerance ±10 %

Part No. Construction

Series name			Package name		Chip Type		Emitting Color			Resin Color		Taping Specifications		Rank sign (Brightness Rank)*
M	S	L	0	2	0	1	R	G	B	W	1	5		
MSL		Multi color LEDs		2	High Brightness Type	R	Red : 624nm		W	Milky White				
		3	G	Green : 527nm										
			B	Blue : 470nm										

* 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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