

MSL0101 series

SRGB-S

Features

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

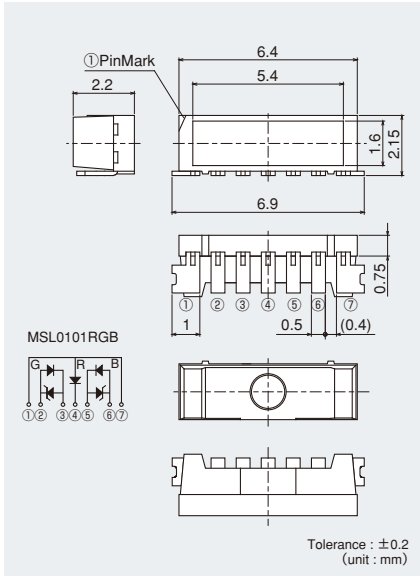
Color Type

Specifications

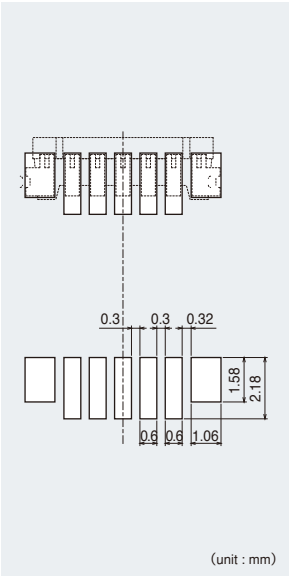
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25℃)						Electrical and Optical Characteristics (Ta=25℃)									
			Power Dissipation PD(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(℃)	Storage Temperature Tstg(℃)	Forward 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	400	50	100※	5	-40 to +85	-40 to +100	2.1	20	10	5	619	624	629	20	450	700	20
■ **MSL0101RGB**	InGaN	Green		40					3.3		-	-	520	527	535		710	1200	
■		Blue							3.2				465	470	475		220	400	

※Duty1/20, 1ms or less

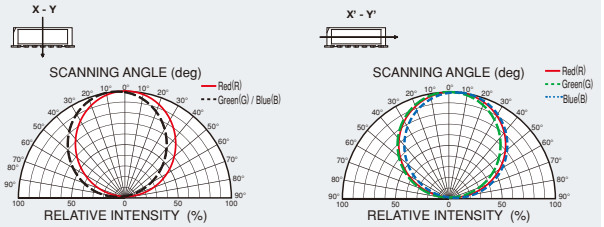
Dimensions



Recommended Solder Pattern



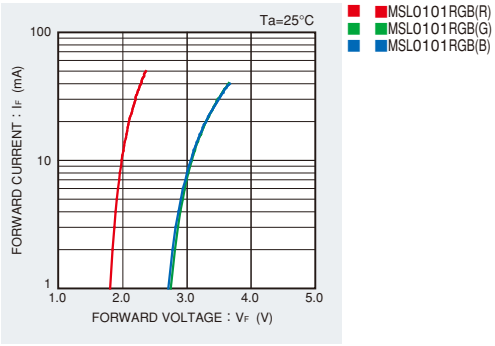
Viewing Angle



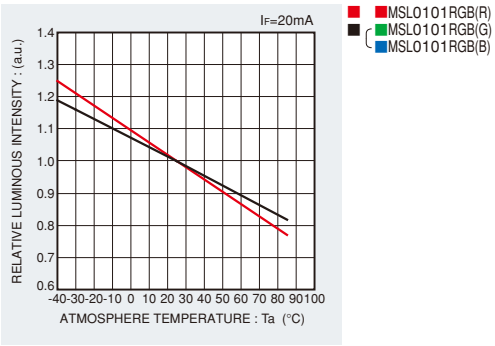
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Electrical Characteristics Curves

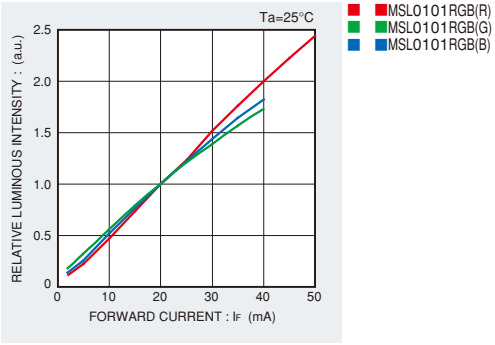
Forward Current-Forward Voltage



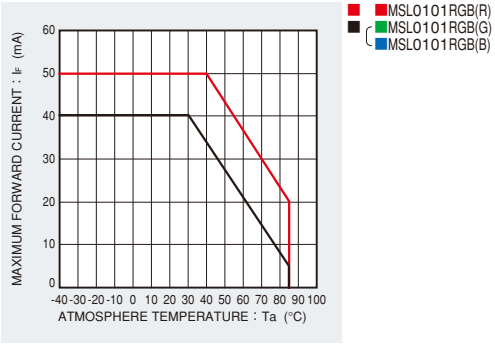
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



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Rank Reference of Brightness

Triple Color

Package structure	Package size	Height (mm)	I_F (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								MSL0101RGB					
				Blue													

Part No. Explanation

Rank sign (Brightness Rank) *

M	S	L	0	1	0	1	R	G	B	W	1	2	Y

Series name / Package type / Emitting type / Emitting Color / Resin Color / Taping specifications / Rank sign (Chromaticity Rank) *

MSL	Multi Color series

R	Red:624nm
G	Green:527nm
B	Blue:470nm

W	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 distributer if necessary.

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