



MSL0101 series




SRGB-S

Features

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

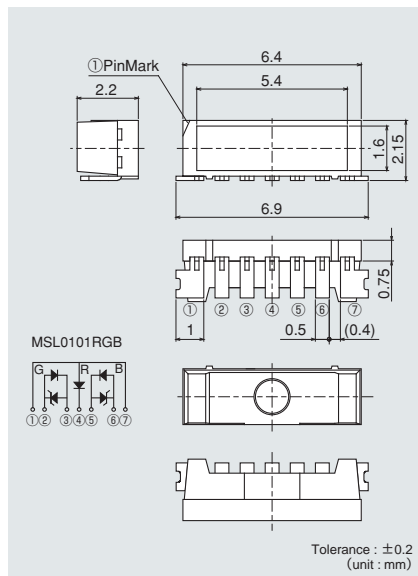


Specifications

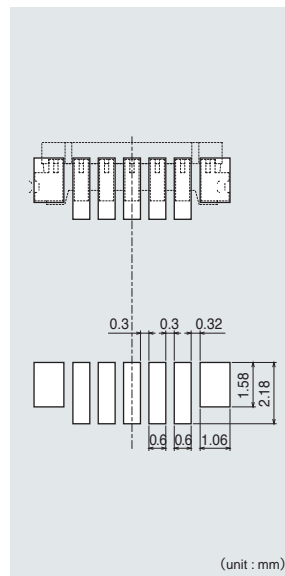
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25℃)						Electrical and Optical Characteristics (Ta=25℃)											
			Power Dissipation P _D (mW)	Forward Current I _F (mA)	Peak Forward Current I _{FP} (mA)	Reverse Voltage V _R (V)	Operating Temperature T _{opr} (℃)	Storage Temperature T _{stg} (℃)	Forward Voltage V _F		Reverse Current I _R		Dominant Wavelength λ _D				Luminous Intensity I _v			
									Typ.(V)	I _F (mA)	Max. (μA)	V _R (V)	Min. (nm)	Typ. (nm)	Max. (nm)	I _F (mA)	Min. (mcd)	Typ. (mcd)	I _F (mA)	
	AlGaInP	Red		50					2.1		10	5	619	624	629		450	700		
 MSL0101RGB	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	

※Duty1/20, 1ms or less

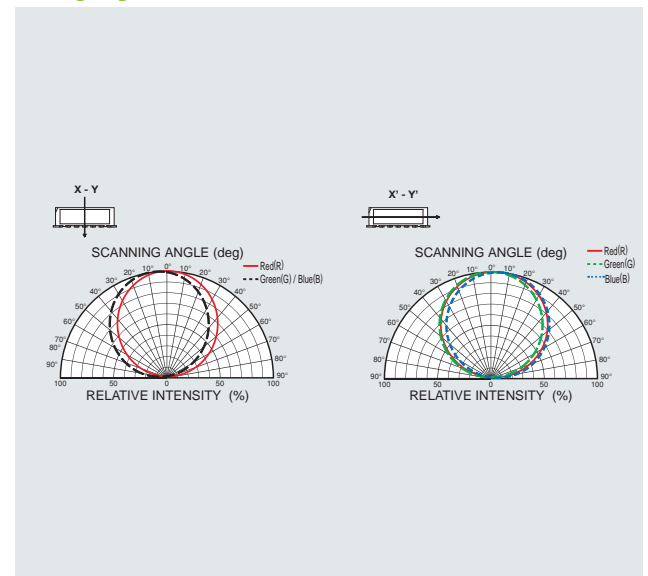
Dimensions



Recommended Solder Pattern

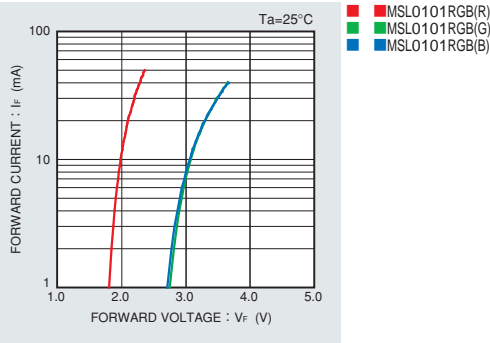


Viewing Angle

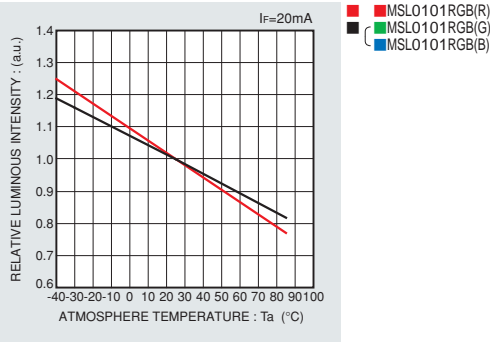


Electrical Characteristics Curves

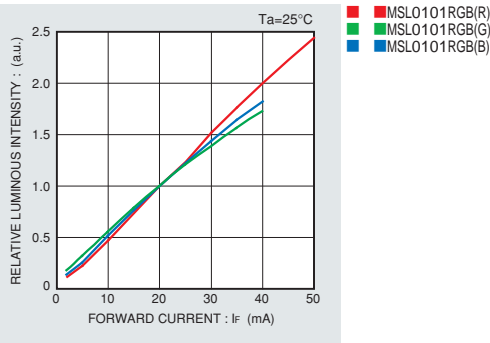
Forward Current-Forward Voltage



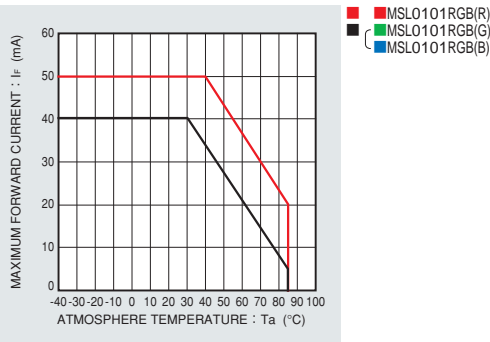
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating

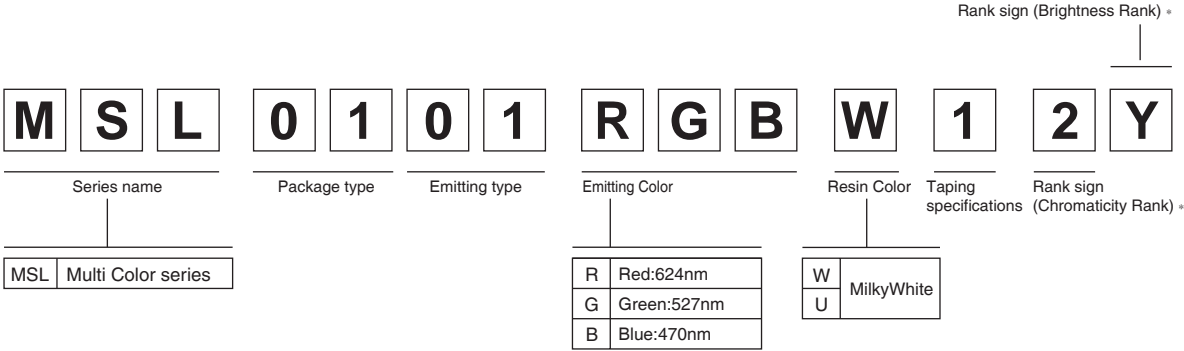


Rank Reference of Brightness

■ Triple Color

Package structure	Package size	Height (mm)	I _r (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



Notes

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