

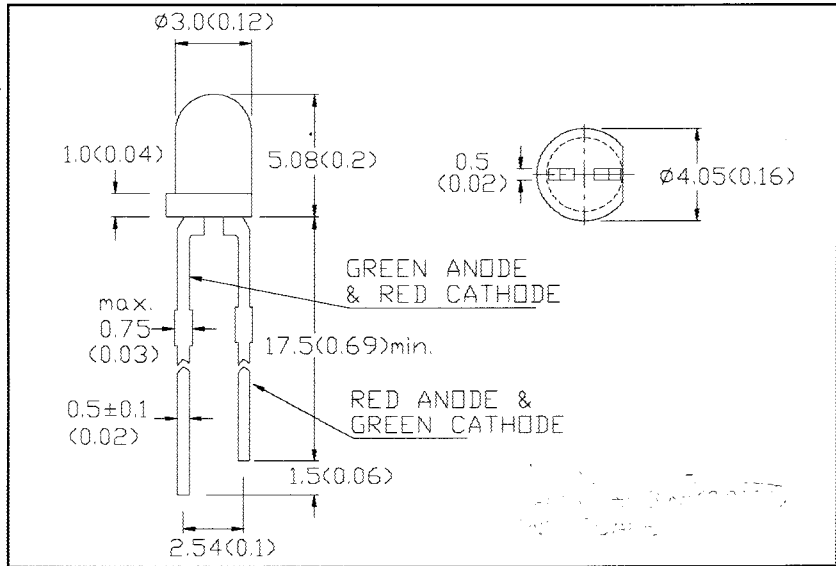
# MICRO ELECTRONICS

MSGN391A

**ULTRA HIGH  
BRIGHTNESS  
RED, GREEN  
DUAL COLOR LAMP**

## DESCRIPTION

A red and green lamp made of GaAlAs, GaP chip offering a changing color characteristics. These two light emitting diodes are mounted in a 3 mm diameter transparent lens.



- All dimension in mm(inch)
- No Scale
- Tol. : +/-0.3mm

## ABSOLUTE MAXIMUM RATINGS

	<b>RED</b>	<b>GREEN</b>
Power Dissipation @ Ta=25°C	100mW	100mW
Forward Current, DC (IF)	30mA	30mA
Operating Temperature Range		-55 to +55°C
Storage Temperature Range		-55 to +100°C
Lead Soldering Temperature (1/16" from body)		260°C
Maximum Soldering Time(≤260°C)		3sec

## ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	RED	GREEN	UNIT	CONDITIONS
Forward Voltage	MAX VF	3	3	V	IF=20mA
Luminous Intensity	MIN IV	90	60	mcd	IF=20mA
	TYP	140	70	mcd	IF=20mA
Peak Wavelength	TYP λp	660	570	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	20	30	nm	IF=20mA
Viewing Angle	2θ 1/2	50	50	degree	IF=20mA



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**VERA**