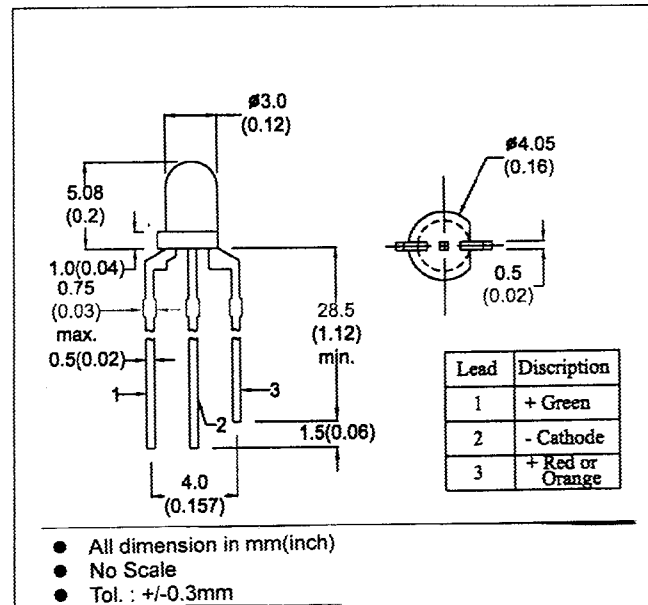


## DESCRIPTION

A high efficiency red and green lamp made of GaAlAs, GaP offering a changing color characteristics dependent on the direction the lamp is biased. These two light emitting diodes are mounted in 3mm dual color, white diffused lens.



## ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C  
 Forward Current, DC (IF)  
 Reverse Voltage  
 Operating & Storage Temperature Range  
 Lead Soldering Temperature (1/16" from body)

### SUPER RED

95mW  
 40mA  
 5V

### GREEN

90mW  
 30mA  
 5V

-55 to +100°C  
 260°C for 5 sec.

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

PARAMETER	SYMBOL	SUPER RED	GREEN	UNIT	CONDITIONS
Forward Voltage	MAX VF	2.4	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN BVR	5	5	V	IR=100μA
Luminous Intensity	MIN IV	9	15	mcd	IF=20mA
	TYP	12	20	mcd	IF=20mA
Peak Wavelength	TYP λp	660	568	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	20	30	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	100	100	degree	IF=20mA

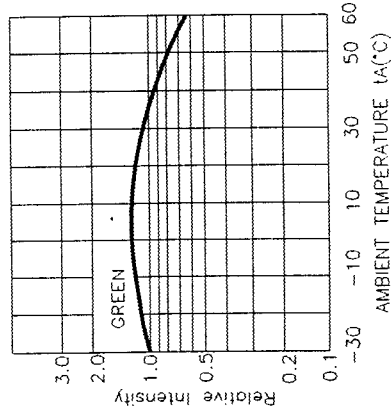
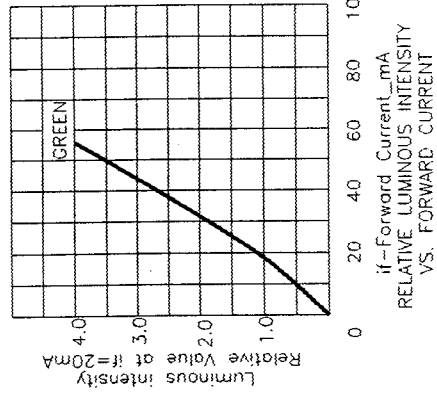
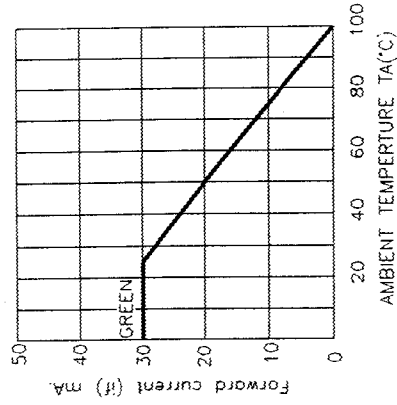
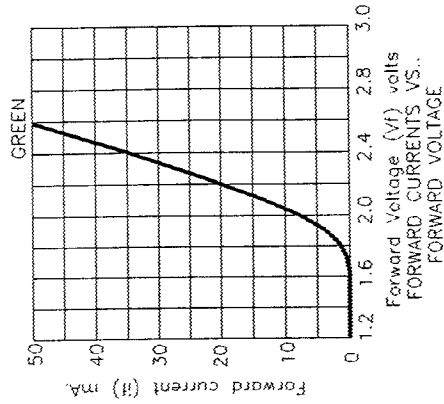
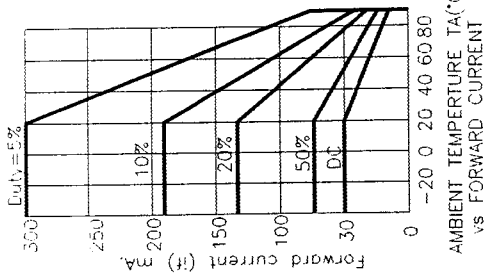
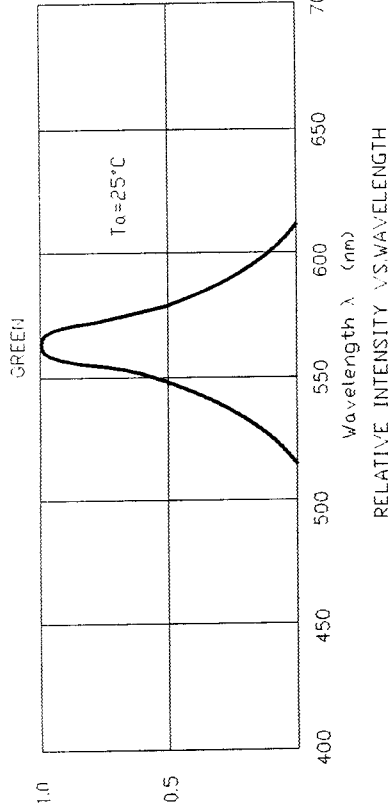
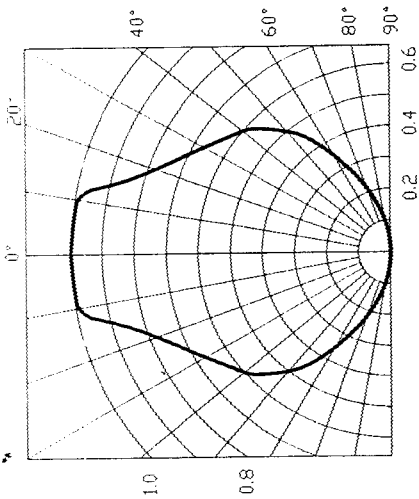


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# MSGB39WP(GREEN COLOR)



# MSG39WP(RED COLOR)

