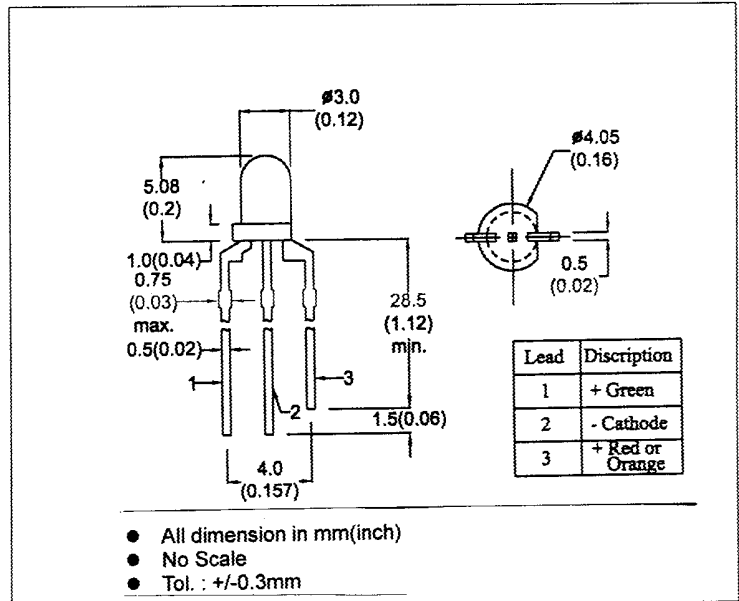


MICRO ELECTRONIC

**HIGH EFF. RED/
GREEN DUAL
COLOR LAMP**

DESCRIPTION

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



ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C	100mW
Forward Current, DC (IF)	30mA
Reverse Voltage	5V
Operating & Storage Temperature Range	-55 to +100°C
Lead Soldering Temperature (1/16" from body)	260°C for 5 sec.

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	HI-EFF RED	GREEN	UNIT	CONDITIONS
Forward Voltage	MAX VF	3.0	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN BVR	5	5	V	IR=100μA
Luminous Intensity	MIN	4.5	6.5	mcd	IF=20mA
	TYP	8.5	12	mcd	IF=20mA
Peak Wavelength	TYP λp	650	570	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	35	30	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	70	70	degree	IF=20mA



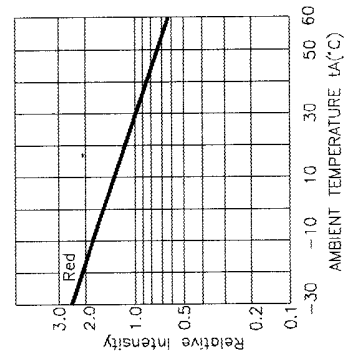
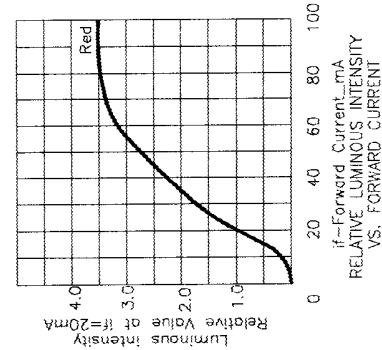
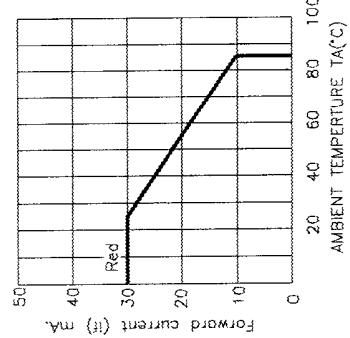
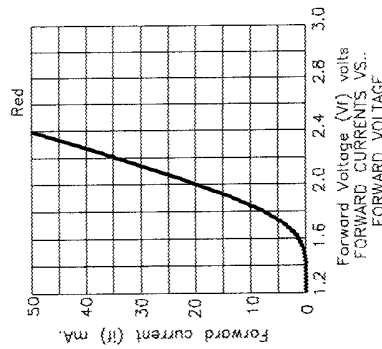
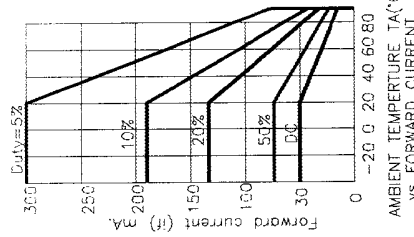
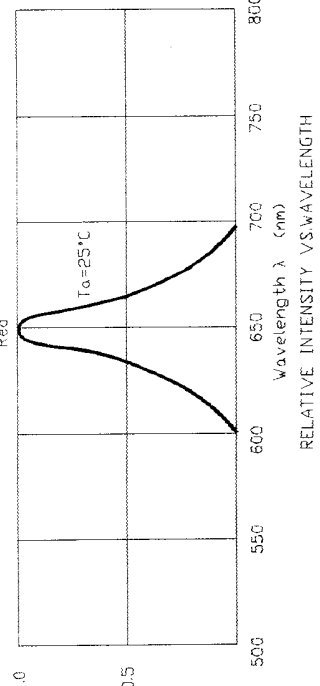
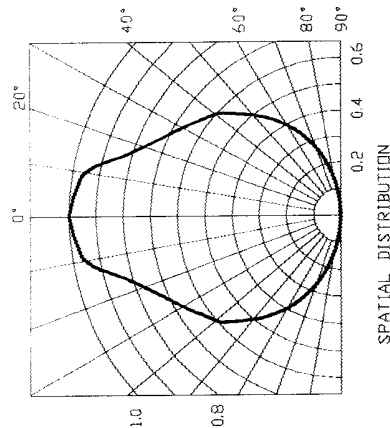
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Sep-98

MSCB3911 (RED COLOR)



USCIBOND OPTIMIZATION

