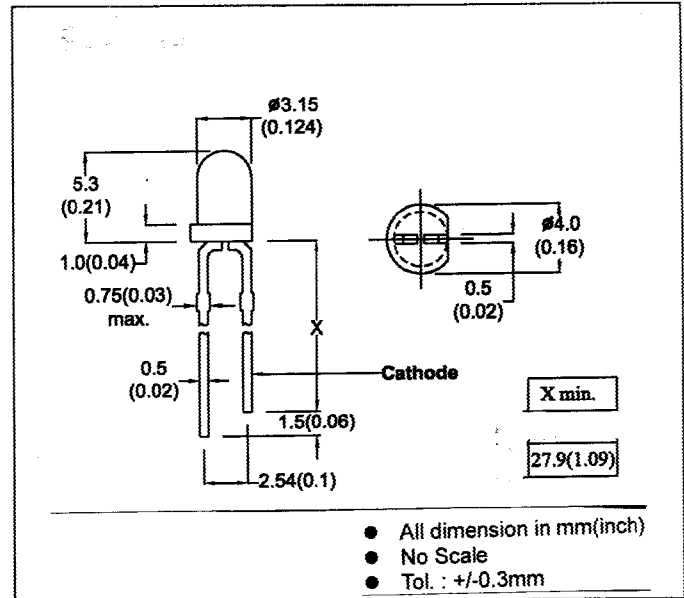


MICRO ELECTRONICS

MOGN31W
HIGH EFFICIENCY
ORANGE/GREEN
DUAL COLOR LAMP

DESCRIPTION

An orange 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 a 3.2mm diameter 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)

	ORANGE	GREEN
Power Dissipation	90mW	90mW
Forward Current, DC (IF)	30mA	30mA
Reverse Voltage	5V	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	ORANGE	GREEN	UNIT	CONDITIONS
Forward Voltage	MAX V _F	3.0	3.0	V	I _F =20mA
Reverse Breakdown Voltage	MIN B _{VR}	5	5	V	I _R =100μA
Luminous Intensity	MIN I _V	10	15	mcd	I _F =20mA
	TYP	15	20	mcd	I _F =20mA
Peak Wavelength	TYP λ _p	630	570	nm	I _F =20mA
Spectral Line Half Width	TYP Δλ	35	30	nm	I _F =20mA
Viewing Angle	TYP 2θ 1/2	60	60	degree	I _F =20mA



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