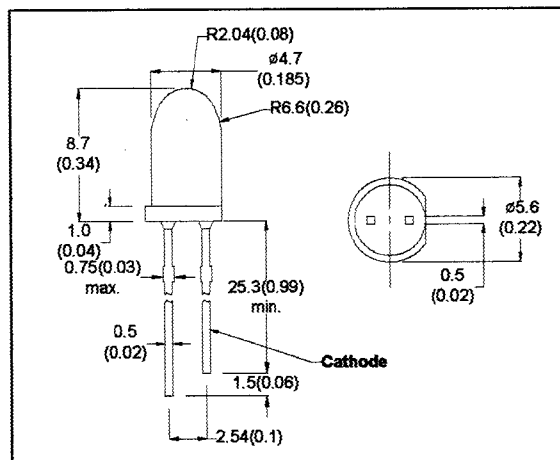


DESCRIPTION

MGB49TA is green GaP LED lamp and MYB49TA is yellow GaAsP LED lamp, ultra high brightness output, encapsulated in a 4.7mm diameter clear transparent lens.



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

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)

MGB49TA

90mW
30mA
5V

MYB49TA

60mA
20mA
5V

-55 to =100°C
260°C for 5 sec.

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER		SYMBOL	MGB49TA	MYB49TA	UNIT	CONDITIONS
Forward Voltage	MAX	V_F	3.0	3.0	V	$I_F=20\text{mA}$
Reverse Breakdown Voltage	MIN	BV_R	5	5	V	$I_R=100\mu\text{A}$
Luminous Intensity	MIN	I_V	300	180	mcd	$I_F=20\text{mA}$
	TYP		500	300	mcd	$I_F=20\text{mA}$
Peak Wavelength	TYP	λ_p	570	585	nm	$I_F=20\text{mA}$
Spectral Line Half Width	TYP	$\Delta\lambda$	30	35	nm	$I_F=20\text{mA}$
Viewing Angle	TYP	$2\theta 1/2$	12	12	degree	$I_F=20\text{mA}$

Rev.B.

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