

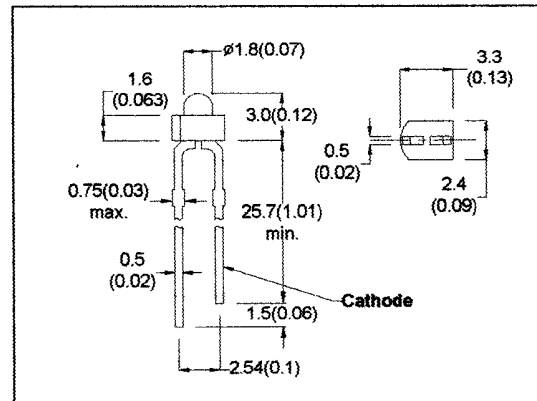
MICRO ELECTRON

MYE18T ULTRA HIGH BRIGHTNESS LED LAMP

DESCRIPTION

This series are ultra high brightness LED lamp with dot point 1.8mm diameter epoxy package.

MGE18T is GaP green LED with clear transparent lens.
MOE18T is GaAsP orange LED with clear transparent lens.
MYE18T is GaAsP yellow LED with 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)

MGE18T
MOE18T

MYE18T

90mW	60mA
30mA	20mA
5V	5V
-55 to +100°C	
260°C for 5 sec.	

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MGE18T	MOE18T	MYE18T	UNIT	CONDITIONS
Forward Voltage	MAX V _F	3.0	3.0	3.0	V	I _F =20mA
Reverse Breakdown Voltage	MIN BV _R	5	5	5	V	I _R =100 μA
Luminous Intensity	MIN I _V	60	20	18	mcd	I _F =20mA
	TYP	90	35	30	mcd	I _F =20mA
Peak Wavelength	TYP λ _p	570	630	585	nm	I _F =20mA
Spectral Line Half Width	TYP Δλ	30	35	35	nm	I _F =20mA
Viewing Angle	TYP 2θ 1/2	24	24	24	degree	I _F =20mA

MICRO ELECTRONICS LTD.

38, Hung To Road, Microtron Building, Kwun Tong, Kowloon, Hong Kong.
Kwun Tong P.O. Box 69477 Hong Kong. Fax No. 2341 0321 Telex:43510 Micro Hx. Tel: 2343 0181-5

Aug-99