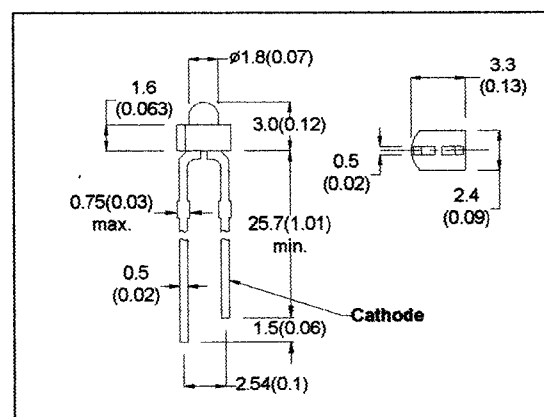


## DESCRIPTION

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	$I_R=100 \mu A$
Luminous Intensity	MIN $I_V$	60	20	18	mcd	$I_F=20mA$
	TYP	90	35	30	mcd	$I_F=20mA$
Peak Wavelength	TYP $\lambda_p$	570	630	585	nm	$I_F=20mA$
Spectral Line Half Width	TYP $\Delta\lambda$	30	35	35	nm	$I_F=20mA$
Viewing Angle	TYP $2\theta 1/2$	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