

# MICRO

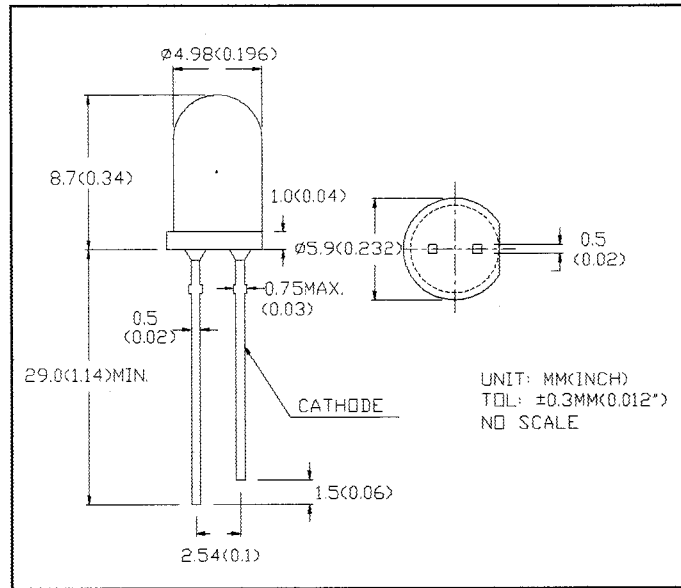
ELECTRONIC

ULTRA HIGH  
BRIGHTNESS

WHITE LED LAMP

## DESCRIPTION

MWB51TA-(4U) is an ultra high brightness GaN WHITE LED lamp encapsulated in a 5mm diameter clear transparent lens.



## ABSOLUTE MAXIMUM RATINGS

|  |                  |
|--|------------------|
| Power Dissipation @ Ta=25°C                  | 125mW            |
| Forward Current, DC (IF)                     | 30mA             |
| Reverse Voltage                              | 5V               |
| Operating Temperature Range                  | -20 to +80°C     |
| Storage Temperature Range                    | -30 to +100°C    |
| Lead Soldering Temperature (1/16" from body) | 260°C for 5 sec. |

## ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

| PARAMETER                 | SYMBOL | MIN  | TYP  | MAX | UNIT   | CONDITIONS |
|---------------------------|--------|------|------|-----|--------|------------|
| Forward Voltage           | VF     |      | 3.5  | 4.5 | V      | IF=20mA    |
| Reverse Breakdown Voltage | BVR    | 5    |      |     | V      | IR=50μA    |
| Luminous Intensity        | IV     | 2500 | 5500 |     | mcd    | IF=20mA    |
| Chromaticity Coordinates  | x      |      | 0.30 |     |        | IF=20mA    |
|                           | y      |      | 0.30 |     |        | IF=20mA    |
| Viewing Angle             | 2θ 1/2 |      | 20   |     | degree | IF=20mA    |

## CAUTION

Static electricity does damage these product. Take preventive measures in handling.

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

Mar-01