

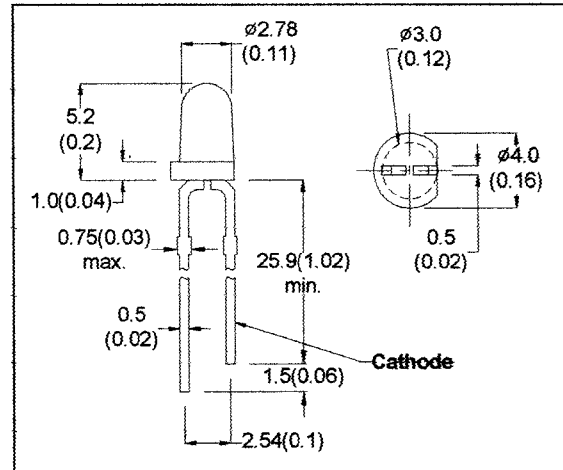
# MICRO (MGB27TA)

ELECTRONICS

ULTRA HIGH  
BRIGHTNESS  
GREEN LED LAMP

## DESCRIPTION

MGB27TA-X is high efficiency green GaP LED lamp encapsulated in a 2.78mm diameter clear transparent lens. 3 brightness grouping is provided for customer's selection.



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

## ABSOLUTE MAXIMUM RATINGS

|                                              |                  |
|----------------------------------------------|------------------|
| Power Dissipation @Ta=25°C                   | 90mW             |
| Forward Current, DC (IF)                     | 30mA             |
| Reverse Voltage                              | 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          | MIN | TYP | MAX | UNIT   | CONDITIONS     |
|---------------------------|-----------------|-----|-----|-----|--------|----------------|
| Forward Voltage           | VF              |     | 2.2 | 3.0 | V      | IF=20mA        |
| Reverse Breakdown Voltage | BVR             | 5   |     |     | V      | IR=100 $\mu$ A |
| Luminous Intensity        | IV              |     |     |     | mcd    | IF=20mA        |
| MGB27TA & -1              |                 | 200 | 500 |     | mcd    | IF=20mA        |
| -2                        |                 | 350 | 650 |     | mcd    | IF=20mA        |
| -3                        |                 | 500 | 800 |     | mcd    | IF=20mA        |
| Peak Wavelength           | $\lambda_p$     |     | 570 |     | nm     | IF=20mA        |
| Spectral Line Half Width  | $\Delta\lambda$ |     | 30  |     | nm     | IF=20mA        |
| Viewing Angle             | 2 $\theta$ 1/2  |     | 12  |     | degree | IF=20mA        |

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Aug-99