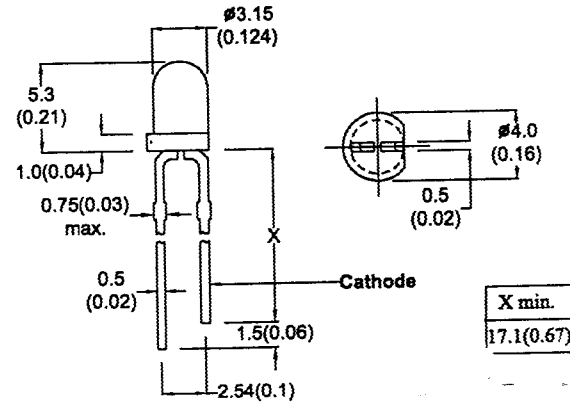


DESCRIPTION

A super red and green lamp made of GaAlAs, GaP offering a changing color characteristics dependent on the direction the lamp is biased. These two light emitting diodes are mounted in a 3.2mm diameter dual color, white diffused 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)

| | <u>SUPER RED</u> | <u>GREEN</u> |
|--|------------------|--------------|
| Power Dissipation | 95mW | 90mW |
| Forward Current, DC (IF) | 40mA | 30mA |
| Reverse Voltage | 5V | 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 | MAX | SYMBOL | SUPER RED | GREEN | UNIT | CONDITIONS |
|---------------------------|-----|-----------------|-----------|-------|--------|-----------------------|
| Forward Voltage | MAX | V _F | 2.4 | 3.0 | V | I _F =20mA |
| Reverse Breakdown Voltage | MIN | B _{VR} | 5 | 5 | V | I _R =100μA |
| Luminous Intensity | MIN | I _v | 18 | 16 | mcd | I _F =20mA |
| | TYP | | 30 | 28 | mcd | I _F =20mA |
| Peak Wavelength | TYP | λ _p | 660 | 570 | nm | I _F =20mA |
| Spectral Line Half Width | TYP | Δλ | 20 | 30 | nm | I _F =20mA |
| Viewing Angle | TYP | 2θ 1/2 | 60 | 60 | degree | I _F =20mA |

