

# TLUR113Q, TLUR114Q

## GaAlAs RED LIGHT EMISSION

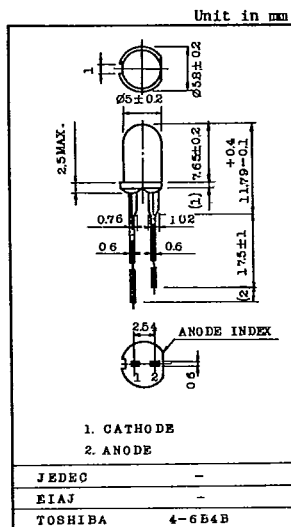
PANEL CIRCUIT INDICATOR

FEATURES:

- ULTRA-BRIGHT
- All Plastic Mold Type  
TLUR113Q: Red Transparent Lens  
TLUR114Q: Red Lusterless Lens
- Low Drive Current, High Intensity Red Light Emission.  
Recommended Forward Current:  $I_F=15 \sim 20\text{mA(DC)}$
- All Plastic Molded Lens, Provides an Excellent ON-OFF Contrast Ratio.
- Fast Response Time, Capable of Pulse Operation.
- Wire Wrappable Leads.

### MAXIMUM RATINGS ( $T_a = 25^\circ\text{C}$ )

| CHARACTERISTIC              | SYMBOL    | RATING         | UNIT             |
|-----------------------------|-----------|----------------|------------------|
| Forward Current (DC)        | $I_F$     | 25             | mA               |
| Reverse Voltage             | $V_R$     | 4              | V                |
| Power Dissipation           | $P_D$     | 55             | mW               |
| Operating Temperature Range | $T_{opr}$ | $-20 \sim 75$  | $^\circ\text{C}$ |
| Storage Temperature Range   | $T_{stg}$ | $-30 \sim 100$ | $^\circ\text{C}$ |



Weight: 0.35g

### ELECTRICAL-OPTICAL CHARACTERISTICS ( $T_a = 25^\circ\text{C}$ )

| CHARACTERISTIC            | SYMBOL          | TEST CONDITION    | MIN. | TYP. | MAX. | UNIT          |
|---------------------------|-----------------|-------------------|------|------|------|---------------|
| Forward Voltage           | $V_F$           | $I_F=20\text{mA}$ | -    | 1.75 | 2.2  | V             |
| Reverse Current           | $I_R$           | $V_R=4\text{V}$   | -    | -    | 100  | $\mu\text{A}$ |
| Luminous Intensity        | TLUR113Q        | $I_F=15\text{mA}$ | 5    | 20   | -    | mcd           |
|                           | TLUR114Q        |                   | 4    | 12   | -    |               |
| Peak Emission Wave Length | $\lambda_p$     | $I_F=20\text{mA}$ | -    | 660  | -    | nm            |
| Spectral Line Half Width  | $\Delta\lambda$ | $I_F=20\text{mA}$ | -    | 25   | -    | nm            |

