

T-1³/₄ ULTRA BRIGHT LED LAMPS

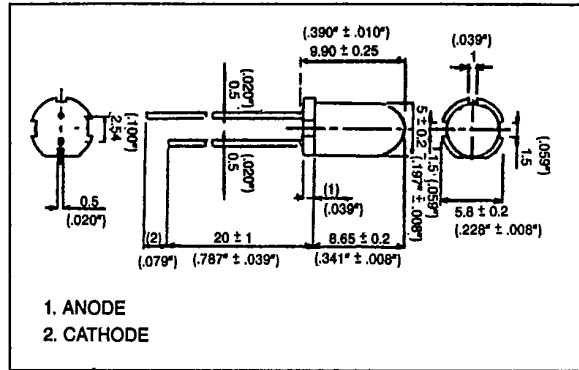
T-41-21

APPLICATIONS

- PANEL CIRCUIT INDICATOR
- LIGHTED SWITCHES

FEATURES

- Ultra bright.
- All plastic mold type.
- Light red clear and diffused lens.
- Low drive current, high intensity.
- Excellent on/off contrast ratio.
- Fast response time, capable of pulse operation.



MAXIMUM RATINGS (Ta = 25°C)

| PART NO. | FORWARD CURRENT (I _F) (mA) | REVERSE VOLTAGE (V _R) (V) | POWER DISSIPATION (P _D) (mW) | OPERATING TEMPERATURE (T _{opr}) (°C) | STORAGE TEMPERATURE (T _{stg}) (°C) |
|-----------|--|---------------------------------------|--|--|--|
| MT810-CUR | 25 | 4 | 55 | -20 ~ 75 | -30 ~ 100 |
| MT810-UR | 25 | 4 | 55 | -20 ~ 75 | -30 ~ 100 |
| MT820-CUR | 25 | 4 | 55 | -20 ~ 75 | -30 ~ 100 |
| MT820-UR | 25 | 4 | 55 | -20 ~ 75 | -30 ~ 100 |

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

| PART NO. | MATERIAL | LENS COLOR | VIEWING ANGLE | LUMINOUS INTENSITY (mcd) | | | | FORWARD VOLTAGE (v) | | | REVERSE CURRENT | | PEAK WAVELENGTH (nm) | SPEC. LINE HALF WIDTH (nm) | |
|-----------|----------|-----------------|---------------|--------------------------|------|------|------|---------------------|------|------|-----------------|-----|----------------------|----------------------------|----------------|
| | | | | typ. | min. | typ. | max. | @mA | typ. | max. | @mA | μA | | | V _r |
| MT810-CUR | GaAlAs | Light Red/Clear | 15° | | | 500 | | 20 | 1.8 | 2.2 | 20 | 100 | 4 | 660 | 25 |
| MT810-UR | GaAlAs | Light Red/Clear | 15° | | | 250 | | 20 | 1.8 | 2.2 | 20 | 100 | 4 | 660 | 25 |
| MT820-CUR | GaAlAs | Light Red/Diff | 25° | | | 300 | | 20 | 1.8 | 2.2 | 20 | 100 | 4 | 660 | 25 |
| MT820-UR | GaAlAs | Light Red/Diff | 25° | | | 150 | | 20 | 1.8 | 2.2 | 20 | 100 | 4 | 660 | 25 |