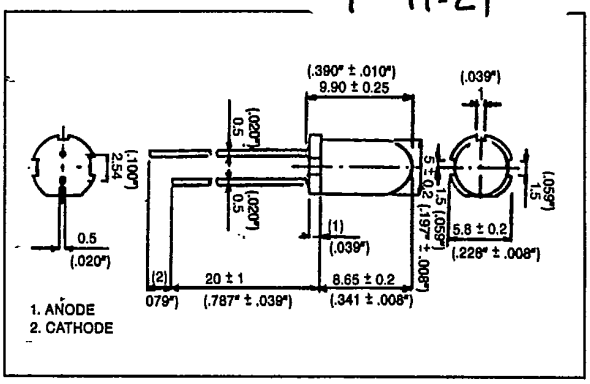
# STANDARD T-1¾ LOW CURRENT LED LAMPS

T-41-21

## FEATURES

- All plastic mold type.
- Low drive current, high intensity light emission.
- 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) |
|---|---|---|---|---|---|
| MT820-R(2mA) | 25 | 4 | 70 | -20 ~ 75 | -30 ~ 100 |
| MT820-Y(2mA) | 25 | 4 | 70 | -20 ~ 75 | -30 ~ 100 |
| MT820-G(2mA) | 25 | 4 | 70 | -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 | SPEC. LINE HALF WIDTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | typ. | min. | typ. | max. | @mA | typ. | max. | @ mA | μA | Vr | nm | nm |
| MT820-R(2mA) | GaP/GaP | Light Red/Diff | 15° | 1.2 | 2.0 | | 2 | 2.1 | 2.8 | 20 | 5 | 4 | 700 | 100 |
| MT820-Y(2mA) | GaAsP/GaP | Light Yel/Diff | 15° | 1.2 | 1.8 | | 2 | 2.1 | 2.8 | 20 | 100 | 4 | 585 | 32 |
| MT820-G(2mA) | GaP/GaP | Light Grn/Diff | 15° | 1.2 | 1.8 | | 2 | 2.1 | 2.8 | 20 | 5 | 4 | 565 | 25 |