

# T-1<sup>3</sup>/<sub>4</sub> ULTRA BRIGHT LED LAMPS

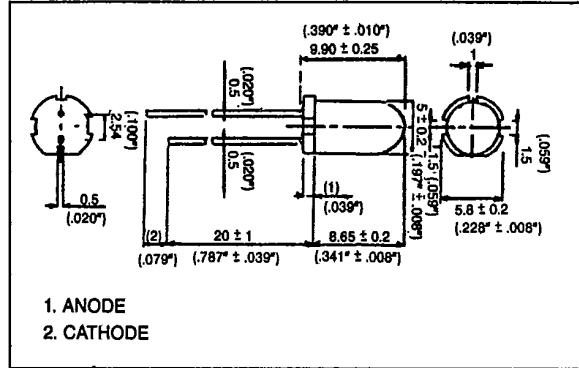
T-41-21

## 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 <sub>F</sub> ) (mA)	REVERSE VOLTAGE (V <sub>R</sub> ) (V)	POWER DISSIPATION (P <sub>D</sub> ) (mW)	OPERATING TEMPERATURE (T <sub>opr</sub> ) (°C)	STORAGE TEMPERATURE (T <sub>stg</sub> ) (°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			Vr
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