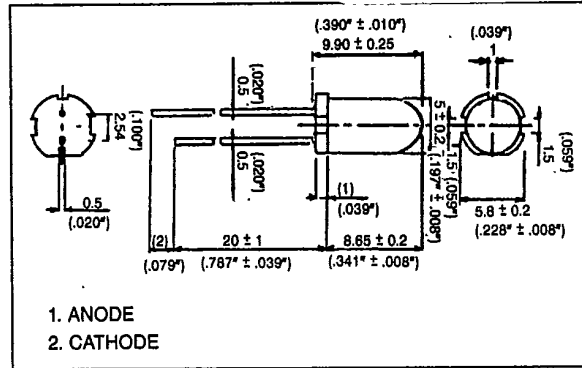


# STANDARD T-1<sup>3</sup>/<sub>4</sub> LED LAMPS

## FEATURES

- All plastic mold type.
- 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 (IF) (mA)	REVERSE VOLTAGE (VR) (V)	POWER DISSIPATION (PD) (mW)	OPERATING TEMPERATURE (TOPP) (°C)	STORAGE TEMPERATURE (TSTG) (°C)
MT810-R	25	4	70	-20 ~ 75	-30 ~ 100
MT810-HR	25	4	70	-20 ~ 75	-30 ~ 100
MT810-O	25	4	70	-20 ~ 75	-30 ~ 100
MT810-Y	25	4	70	-20 ~ 75	-30 ~ 100
MT810-G	25	4	70	-20 ~ 75	-30 ~ 100
MT810-PG	25	4	70	-20 ~ 75	-30 ~ 100
MT820-R	25	4	70	-20 ~ 75	-30 ~ 100
MT820-HR	25	4	70	-20 ~ 75	-30 ~ 100
MT820-O	25	4	70	-20 ~ 75	-30 ~ 100
MT820-Y	25	4	70	-20 ~ 75	-30 ~ 100
MT820-G	25	4	70	-20 ~ 75	-30 ~ 100
MT820-PG	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 (nm)	SPEC. LINE HALF WIDTH (nm)	
				typ.	min.	typ.	max.	@mA	typ.	max.	@ mA	µA			Vr
MT810-R	GaP/GaP	Light Red/Clear	15°			50		20	2.1	2.8	20	5	4	700	100
MT810-HR	GaAsP/GaP	Light Red/Clear	15°			150		20	2.1	2.8	20	100	4	635	40
MT810-O	GaAsP/GaP	Light Org/Clear	15°			150		20	2.1	2.8	20	100	4	610	35
MT810-Y	GaAsP/GaP	Light Yell/Clear	15°			150		20	2.1	2.8	20	100	4	585	32
MT810-G	GaP/GaP	Light Grn/Clear	15°			200		20	2.1	2.8	20	5	4	565	25
MT810-PG	GaP/GaP	Light Grn/Clear	15°			100		20	2.1	2.8	20	5	4	555	20
MT820-R	GaP/GaP	Light Red/Diff	25°			25		20	2.1	2.8	20	5	4	700	100
MT820-HR	GaAsP/GaP	Light Red/Diff	25°			90		20	2.1	2.8	20	100	4	635	40
MT820-O	GaAsP/GaP	Light Org/Diff	25°			90		20	2.1	2.8	20	100	4	610	35
MT820-Y	GaAsP/GaP	Light Yell/Diff	25°			90		20	2.1	2.8	20	100	4	585	32
MT820-G	GaP/GaP	Light Grn/Diff	25°			120		20	2.1	2.8	20	5	4	565	25
MT820-PG	GaP/GaP	Light Grn/Diff	25°			60		20	2.1	2.8	20	5	4	555	20