

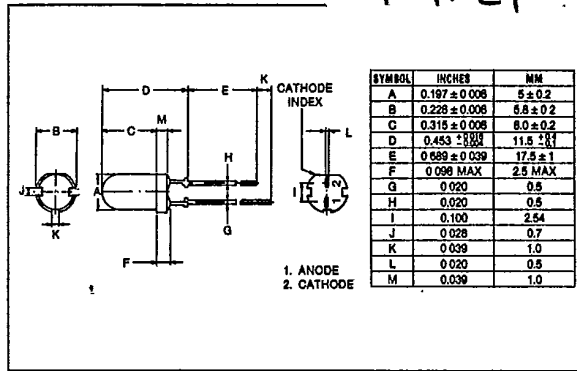
T-1³/₄ ULTRA BRIGHT LED LAMPS

APPLICATIONS

- PANEL CIRCUIT INDICATOR
- LIGHTED SWITCHES
- BAR CODE SCANNER
- MEASURING EQUIPMENT

FEATURES

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



SYMBOL	INCHES	MM
A	0.197 ± 0.006	5 ± 0.2
B	0.228 ± 0.006	5.8 ± 0.2
C	0.315 ± 0.006	8.0 ± 0.2
D	0.453 ± 0.006	11.5 ± 0.2
E	0.689 ± 0.039	17.5 ± 1
F	0.099 MAX	2.5 MAX
G	0.020	0.5
H	0.020	0.5
I	0.100	2.54
J	0.028	0.7
K	0.039	1.0
L	0.020	0.5
M	0.039	1.0

MAXIMUM RATINGS (Ta = 25°C)

PART NO.	FORWARD CURRENT (IF) (mA)	REVERSE VOLTAGE (VR) (V)	POWER DISSIPATION (PD) (mW)	OPERATING TEMPERATURE (Topr) (°C)	STORAGE TEMPERATURE (Tstg) (°C)
MT1500A-UR	50	4	125	-20 ~ 85	-30 ~ 100
MT1000A-UR	50	4	125	-20 ~ 85	-30 ~ 100
MT500A-UR	50	4	125	-20 ~ 85	-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		
MT1500A-UR	GaAlAs	Water/Clear	25°	1000	1500		20	1.8	2.4	20	100	4	660	25
MT1000A-UR	GaAlAs	Water/Clear	25°	550	1000	1350	20	1.8	2.4	20	100	4	660	25
MT500A-UR	GaAlAs	Water/Clear	25°	300	500	750	20	1.8	2.4	20	100	4	660	25