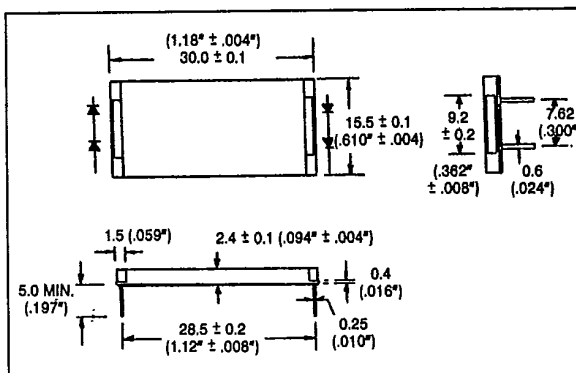


LED LUMINATORS

T-41-31

HIGHLIGHTS

- Thin package style for easy insertion under LCD's.
- No heat dissipation.
- Provides sturdy mechanical support for LCD module.
- Low power consumption.



MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

PART NO.	FORWARD CURRENT (I_F) (mA)	REVERSE VOLTAGE (V_R) (V)	POWER DISSIPATION (P_D) (mW)	OPERATING TEMPERATURE (T_{opr}) ($^\circ\text{C}$)	STORAGE TEMPERATURE (T_{stg}) ($^\circ\text{C}$)
MTBL1412-R	25	6	100	-40 ~ 85	-55 ~ 100
MTBL2412-G	25	10	85	-40 ~ 85	-55 ~ 100
MTBL3412-Y	25	10	85	-40 ~ 85	-55 ~ 100
MTBL4412-O	25	10	85	-40 ~ 85	-55 ~ 100
MTBL4412-HR	25	10	85	-40 ~ 85	-55 ~ 100
MTBL5412-RG	25	10	85	-40 ~ 85	-55 ~ 100

OPTO-ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

PART NO.	PACKAGE STYLE (mm)	EMITTED COLOR	*LUMINOUS INTENSITY (mcd)			FORWARD VOLTAGE (V)			**PEAK FORWARD CURRENT (A)	PEAK WAVELENGTH (nm)
			min.	typ.	@mA	typ.	max.	@mA		
MTBL1412-R	15.5x30.0	Red	3.0	5.0	10	3.4	4.0	20	1.0	655
MTBL2412-G	15.5x30.0	Green	6.6	11.0	10	4.2	6.0	20	1.0	567
MTBL3412-Y	15.5x30.0	Yellow	6.0	10.0	10	4.2	6.0	20	1.0	585
MTBL4412-O	15.5x30.0	Orange	7.5	12.5	10	4.2	6.0	20	1.0	635
MTBL4412-HR	15.5x30.0	Hi. Eff Red	7.5	12.5	10	4.2	6.0	20	1.0	635
MTBL5412-RG	15.5x30.0	GaP Red	4.2	7.0	10	4.2	6.0	20	1.0	700

* I_V (mcd/element)** I_{FP} (1 μS pulse/.3% duty cycle)