

# LIGHT BARS

T-41-31

Unit in mm (Inches)

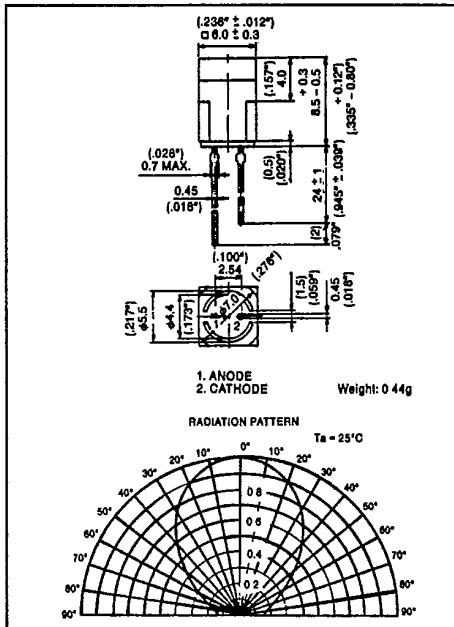
## MTLB250-O, MTLB250-Y, MTLB250-R, MTLB250-G

### FEATURES

- Plastic mold type.
- Rectangular type (surface size 6x6 mm).
- Fast response time.
- Capable of pulse operation.

### MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current (Diode)	MTLB250-O	30	mA
	MTLB250-Y	30	
	MTLB250-G	30	
	MTLB250-R	25	
Reverse Voltage	V <sub>R</sub>	4	V
Power Dissipation (Diode)	MTLB250-O	85	mW
	MTLB250-Y	85	
	MTLB250-G	85	
	MTLB250-R	70	
Operating Temp. Range	T <sub>opr</sub>	-20 ~ 75	°C
Storage Temp. Range	T <sub>stg</sub>	-30 ~ 100	°C



### OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	MTLB250-O	I <sub>F</sub> = 30mA	—	2.4	2.8	V
	MTLB250-Y		—	2.4	2.8	
	MTLB250-G		—	2.4	2.8	
	MTLB250-R		I <sub>F</sub> = 25mA	—	2.1	
Reverse Current	MTLB250-O	V <sub>R</sub> = 4V	—	—	10	μA
	MTLB250-Y		—	—	10	
	MTLB250-G		—	—	10	
	MTLB250-R		—	—	10	
Luminous Intensity	MTLB250-O	I <sub>F</sub> = 20mA	1.5	3.0	—	mcd
	MTLB250-Y		1.5	3.0	—	
	MTLB250-G		1.5	3.0	—	
	MTLB250-R		0.7	1.4	—	
Peak Emission Wave Length	MTLB250-O	I <sub>F</sub> = 20mA	—	610	—	nm
	MTLB250-Y		—	585	—	
	MTLB250-G		—	585	—	
	MTLB250-R		—	700	—	
Spectral Line Half Width	MTLB250-O	I <sub>F</sub> = 20mA	—	30	—	nm
	MTLB250-Y		—	30	—	
	MTLB250-G		—	30	—	
	MTLB250-R		—	100	—	