

# LIGHT BARS

T-41-31

## MTLB251-G, MTLB251-Y, MTLB251-O, MTLB251-HR

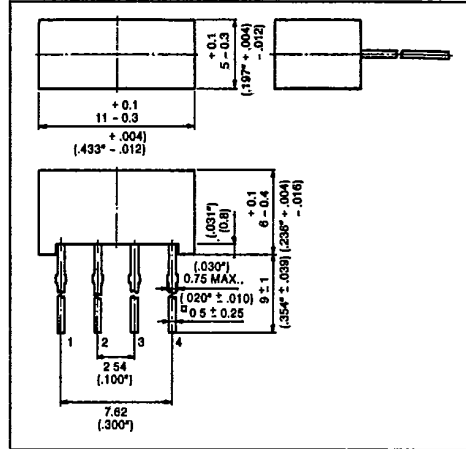
### FEATURES

- Plastic mold type:
  - MTLB251-G: Green light emission.
  - MTLB251-Y: Yellow light emission.
  - MTLB251-O: Orange light emission.
  - MTLB251-HR: Red light emission.
- Large sized rectangular type (surface size 11x5 mm).
- Fast response time.
- Capable of pulse operation.

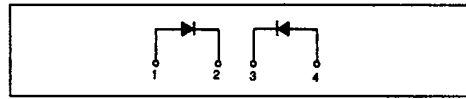
### MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current (Diode)	$I_F$ /Diode	25	mA
Reverse Voltage	$V_R$	4	V
Power Dissipation (Diode)	$P_D$ /Diode	70	mW
Operating Temperature Range	$T_{opr}$	-20 ~ 75	°C
Storage Temperature Range	$T_{stg}$	-30 ~ 100	°C

OUTLINE AND PIN CONNECTION UNITS IN mm (Inches)



PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	ANODE	3	CATHODE
2	CATHODE	4	ANODE



Weight: 0.46 g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	MTLB251-G	$I_F = 25mA$	—	2.1	2.8	V
	MTLB251-Y		—	2.1	2.8	
	MTLB251-O		—	2.1	2.8	
	MTLB251-HR		—	2.1	2.8	
Reverse Current	MTLB251-G	$V_R = 4V$	—	—	10	$\mu A$
	MTLB251-Y		—	—	100	
	MTLB251-O		—	—	100	
	MTLB251-HR		—	—	100	
Luminous Intensity	MTLB251-G	$I_F = 15mA$	3.4	9.0	—	mcd
	MTLB251-Y		2.1	5.0	—	
	MTLB251-O		2.1	5.0	—	
	MTLB251-HR		2.1	5.0	—	
Peak Emission Wave Length	MTLB251-G	$I_F = 15mA$	—	565	—	nm
	MTLB251-Y		—	585	—	
	MTLB251-O		—	610	—	
	MTLB251-HR		—	635	—	
Spectral Line Half Width	MTLB251-G	$I_F = 15mA$	—	30	—	nm
	MTLB251-Y		—	30	—	
	MTLB251-O		—	30	—	
	MTLB251-HR		—	40	—	