LIGHT BARS

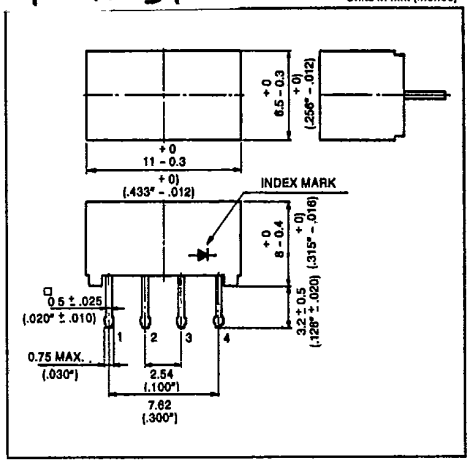
T-41-31

MTLB253-G, MTLB253-Y, MTLB253-O, MTLB253-HR

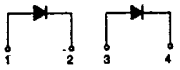
FEATURES

- Plastic mold type:
  - MTLB253-G: Green light emission.
  - MTLB253-Y: Yellow light emission.
  - MTLB253-O: Orange light emission.
  - MTLB253-HR: Red light emission.
- Large sized rectangular type (surface size 11x 6.5 mm).
- Fast response time.
- Capable of pulse operation.

Units in mm (inches)



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



Weight: 0.67 g

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current (Diode)	I_F/Diode	30	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

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	MTLB253-G	V_F	I_F = 30mA	—	2.3	2.8	V
	MTLB253-Y			—	2.3	2.8	
	MTLB253-O			—	2.3	2.8	
	MTLB253-HR			—	2.3	2.8	
Reverse Current	MTLB253-G	I_R	V_R=4V	—	—	100	μA
	MTLB253-Y			—	—	100	
	MTLB253-O			—	—	100	
	MTLB253-HR			—	—	100	
Luminous Intensity	MTLB253-G	I_V	I_F=15mA	5.5	10.0	—	mcd
	MTLB253-Y			3.4	6.0	—	
	MTLB253-O			3.4	6.0	—	
	MTLB253-HR			3.4	6.0	—	
Peak Emission Wave Length	MTLB253-G	λP	I_F=15mA	—	565	—	nm
	MTLB253-Y			—	585	—	
	MTLB253-O			—	610	—	
	MTLB253-HR			—	635	—	
Spectral Line Half Width	MTLB253-G	Δλ	I_F=15mA	—	30	—	nm
	MTLB253-Y			—	30	—	
	MTLB253-O			—	30	—	
	MTLB253-HR			—	40	—	