

9097250 TOSHIBA (DISCRETE/OPTO)

990 17258 DT-41-33

## TLR2177, TLR4172, TLR2207, TLR4202

## RED COLOR 4 DIGITS LED DISPLAY

- For Use of static drive connections and available both polarity common anode or common cathode.
- 15 mm (0.6") character height, each segment is diffused and uniformly display.
- Outer color filter provides high contrast, complete practical use at 5 mA per segments.
- Arrow edge shape of each segment represents not mosaic but look like Arabic numerals.
- Selectable both type 12 or 24 hours display.

## TYPE NO. vs. DISPLAY FONT

COMMON ANODE	COMMON CATHODE	FULLY DISPLAY FONT
TLR2177	TLR2207	: 10 : 00
TLR4172	TLR4202	: 00 : 00

## MAXIMUM RATINGS (Ta = 25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current/Seg.	I <sub>F</sub> (DC)/Seg	15	mA
Reverse Voltage	V <sub>R</sub>	3	V
Storage Temperature Range	T <sub>stg</sub>	-20~75	°C
Operating Temperature Range	T <sub>opr</sub>	-20~60	°C
Soldering Temperature (Note)	T <sub>solder</sub>	260	°C

Note: Within 3 second 2 mm at from the reflector edge.

Refer to page 257 for the figure.

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =10mA	1.7	2.0	2.5	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =3V	-	-	5	μA
Luminous Intensity/Seg.	I <sub>V</sub> /Seg	I <sub>F</sub> =10mA	0.1	0.2	-	mcad
Luminous Intensity Matching Ratio	I <sub>V</sub> -M	I <sub>F</sub> =5mA	-	-	2.5	-
Peak Emission Wave Length	λ <sub>p</sub>	I <sub>F</sub> =10mA	-	700	-	nm
Spectral Half Line Width	Δλ	I <sub>F</sub> =10mA	-	100	-	nm

