

9097250 TOSHIBA (DISCRETE/OPTO)

99D 17081 DT-41-21

# TLUR153Q, TLUR154Q

## GaAlAs RED LIGHT EMISSION

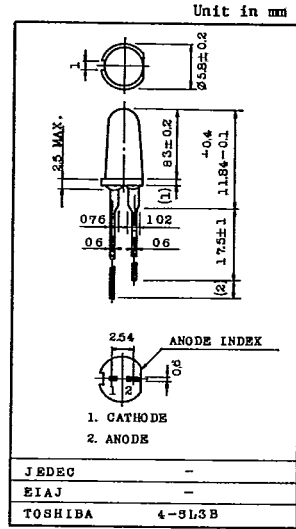
PANEL CIRCUIT INDICATOR

**FEATURES:**

- ULTRA-BRIGHT
- All Plastic Mold Type  
TLUR153Q: Light Red Transparent Lens  
TLUR154Q: Light Red Lusterless Lens
- Low Drive Current, High Intensity Red Light Emission.  
Recommended Forward Current:  $I_F=15 \sim 20\text{mA(DC)}$
- All Plastic Molded Lens, Provides an Excellent ON-OFF Contrast Ratio.
- Fast Response Time, Capable of Pulse Operation.
- Wire Wrappable Leads.

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current (DC)	$I_F$	25	mA
Reverse Voltage	$V_R$	4	V
Power Dissipation	$P_D$	55	mW
Operating Temperature Range	$T_{opr}$	$-20 \sim 75$	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	$-30 \sim 100$	$^\circ\text{C}$



Weight: 0.33g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT	
Forward Voltage	$V_F$	$I_F=20\text{mA}$	-	1.75	2.2	V	
Reverse Current	$I_R$	$V_R=4\text{V}$	-	-	100	$\mu\text{A}$	
Luminous Intensity	TLUR153Q	$I_F=20\text{mA}$	-	50	200	-	mcd
	TLUR154Q			15	100	-	
Peak Emission Wave Length	$\lambda_P$	$I_F=20\text{mA}$	-	660	-	nm	
Spectral Line Half Width	$\Delta\lambda$	$I_F=20\text{mA}$	-	25	-	nm	

