

# TLUR153, TLUR154

## GaAlAs RED LIGHT EMISSION

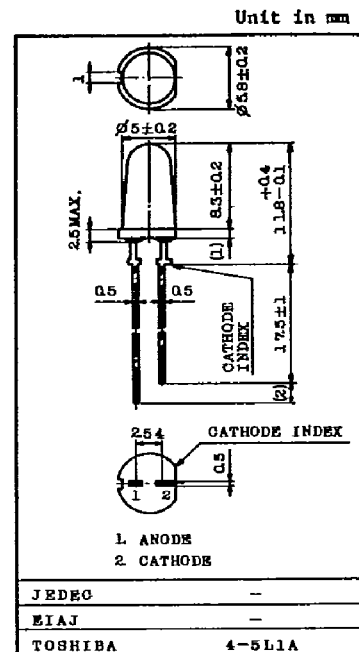
5mm DIAMETER(T 13/4)

### FEATURES:

- ULTRA-BRIGHT
- All Plastic Mold Type  
TLUR153 : Light Red Transparent Lens  
TLUR154 : 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.

### 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 : 0.28g

### ELECTRO-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	TLUR153	$I_F=20\text{mA}$	50	200	-	mcd
	TLUR154		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

