

# TLUY143, TLUY144

## GaAsP YELLOW LIGHT EMISSION

4.9mm DIAMETER(T, 13/4, LOW PROFILE)

**FEATURES:**

- ULTRA-BRIGHT
- All Plastic Mold Type  
TLUY143 : Yellow Transparent Lens  
TLUY144 : Yellow Lusterless Lens
- Low Drive Current, High Intensity Yellow 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	$P_D$	70	mW
Operating Temperature Range	$T_{opr}$	$-20 \sim 75$	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	$-30 \sim 100$	$^\circ\text{C}$

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F$	$I_F=20\text{mA}$	-	2.1	2.8	V
Reverse Current	$I_R$	$V_R=4\text{V}$	-	-	100	$\mu\text{A}$
Luminous Intensity	TLUY143	$I_F=15\text{mA}$	30	60	-	mcd
	TLUY144		10	30	-	
Peak Emission Wave Length	$\lambda_p$	$I_F=15\text{mA}$	-	585	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=15\text{mA}$	-	32	-	nm

Unit in mm

