

TL0143, TL0144

GaAsP ORANGE LIGHT EMISSION

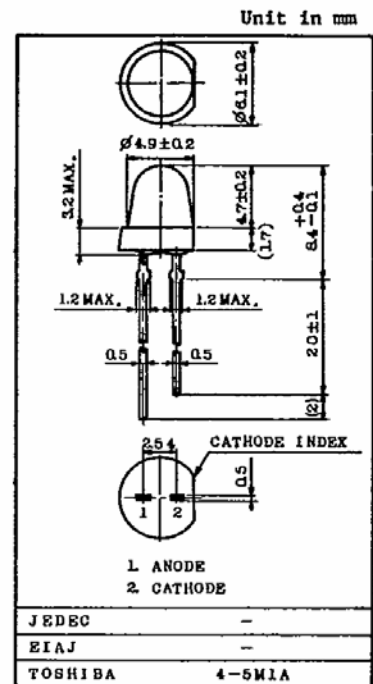
4.9mm DIAMETER(T 13/4, LOW PROFILE)

FEATURES:

- SUPER-BRIGHT
- All Plastic Mold Type
TL0143 : Orange Transparent Lens
TL0144 : Orange Lusterless Lens
- Low Drive Current, High Intensity Orange 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 ($T_a=25^\circ\text{C}$)

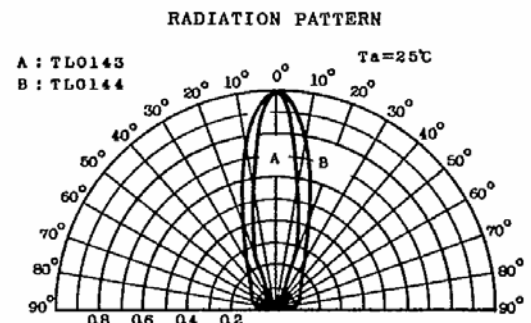
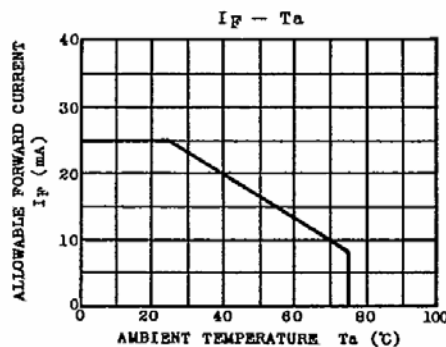
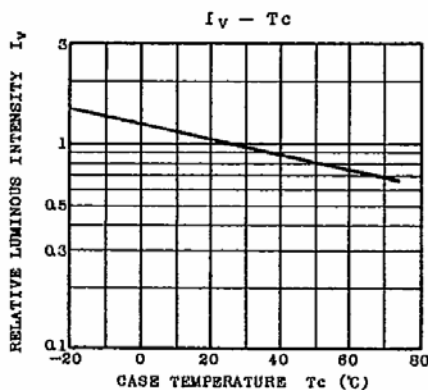
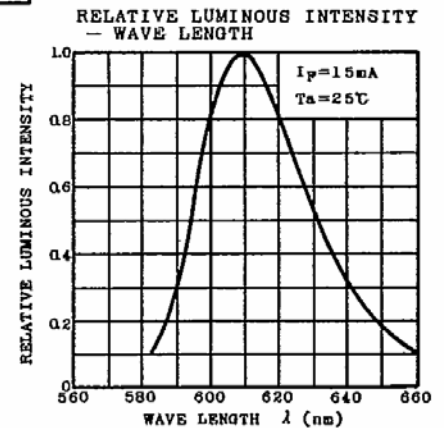
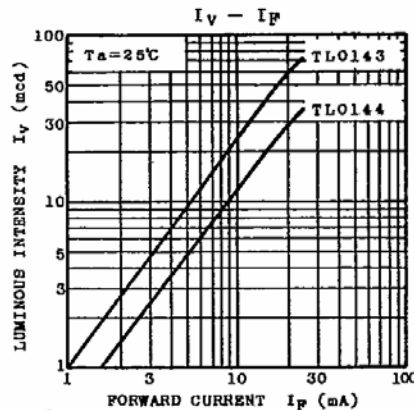
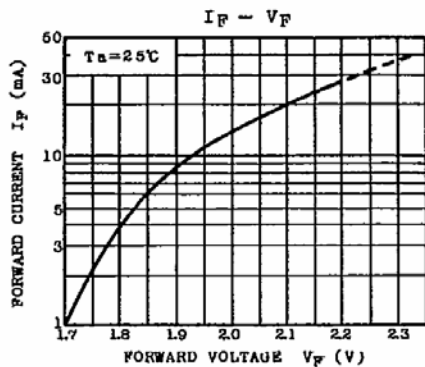
CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current (DC)	I_F	25	mA
Reverse Voltage	V_R	4	V
Power Dissipation	P_D	70	mW
Operating Temperature Range	T_{opr}	$-20\sim 75$	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-30\sim 100$	$^\circ\text{C}$



Weight : 0.23g

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	μA
Luminous Intensity	I_V	$I_F=15\text{mA}$	10	40	-	cd
Peak Emission Wave Length	λ_p	$I_F=15\text{mA}$	-	610	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=15\text{mA}$	-	35	-	nm



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