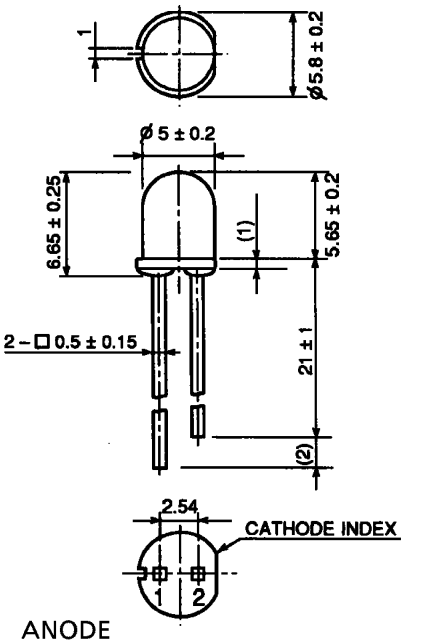
ORANGE **TOSHIBA T-1¾ InGaAlP Ultra Bright LED**

TLOE263AP

Product Features -

- **InGaAlP Technology**
- **T-1¾ Low Profile Package**
- **High Intensity Orange Light (λ_p = 612nm) Emission**
- **Water Clear Lens**



1. ANODE
2. CATHODE

UNIT: mm

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current	I_F	50	mA
Reverse Voltage	V_R	4	V
Power Dissipation	P_D	125	mW
Operating Temperature	T_{opr}	-30 ~ 85	°C
Storage Temperature	T_{stg}	-40 ~ 120	°C

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	IF = 20mA	—	1.95	2.4	V
Reverse Current	I_R	VR = 4V	—	—	50	µA
Luminous Intensity	I_V	IF = 20mA	45	180	—	mcd
Viewing Angle	2θ½	—	—	100	—	°
Peak Wavelength	λ_p	IF = 20mA	—	612	—	nm
Dominant Wavelength	λ_d	IF = 20mA	—	605	—	nm
Spectral Line Half Width	$\Delta\lambda$	IF = 20mA	—	15	—	nm

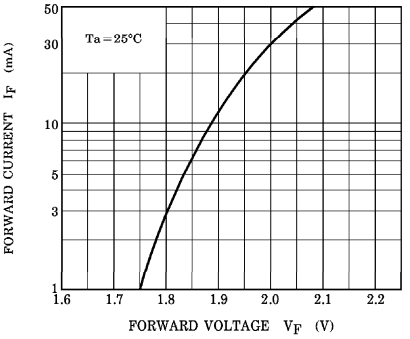
* Luminous Ranks: (M : 56-112mcd), (N : 100-200mcd), (P : 180-360mcd) Upper and lower limit tolerance ±15%
Available in One Bin Combination: (MN)

marktech optoelectronics

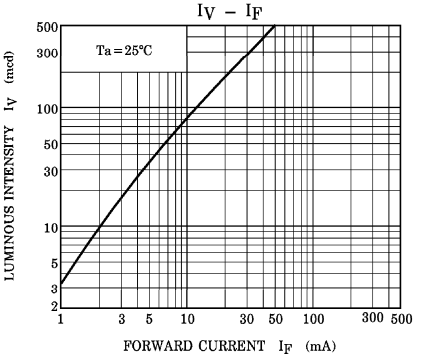
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TLOE263AP Graphs -

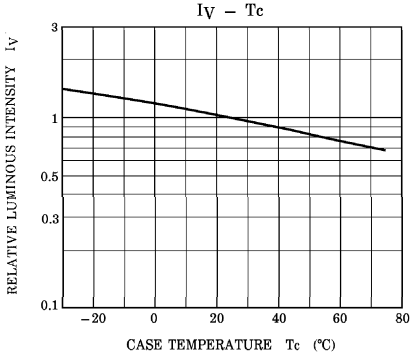
$I_F - V_F$



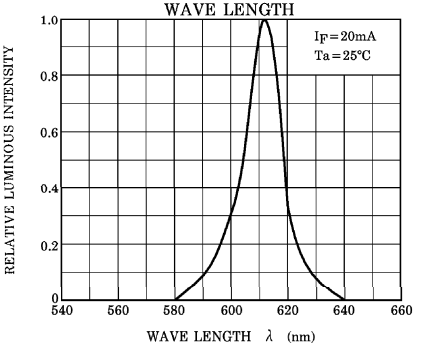
$I_V - I_F$



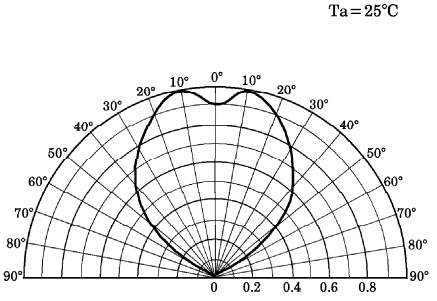
$I_V - Tc$



RELATIVE LUMINOUS INTENSITY – WAVE LENGTH



RADIATION PATTERN



$I_F - Ta$

