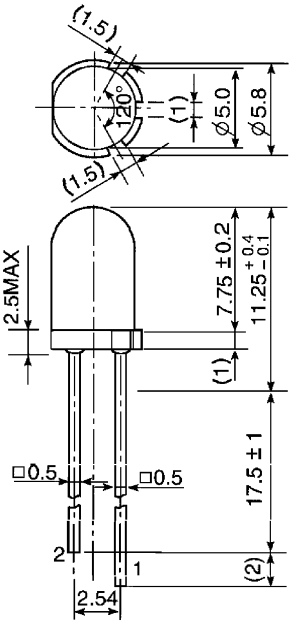
ORANGE TOSHIBA T-1¾ InGaAIP Ultra Bright LED

TLOE16TP

Product Features -

- **InGaAIP Technology**
- **T-1¾ (5 mm) Package**
- **Water Clear Lens**



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	120	mW
Operating Temperature	T_{opr}	-40 ~ 100	°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	—	2.0	2.4	V
Reverse Current	I_R	VR = 4V	—	—	50	µA
Luminous Intensity	I_V	IF = 20mA	850	2000	—	mcd
Viewing Angle	$2\theta_{1/2}$	—	—	24	—	°
Peak Wavelength	λ_p	IF = 20mA	—	612	—	nm
Dominant Wavelength	λ_d	IF = 20mA	—	605	—	nm
Spectral Line Half Width	$\Delta\lambda$	IF = 20mA	—	20	—	nm

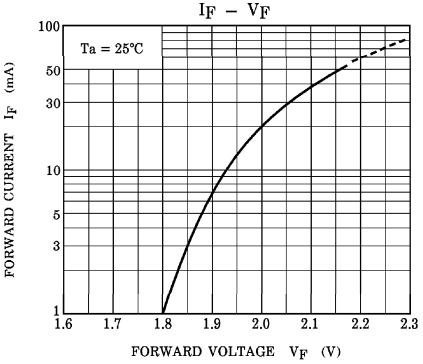
marktech optoelectronics

120 Broadway • Menands, New York 12204

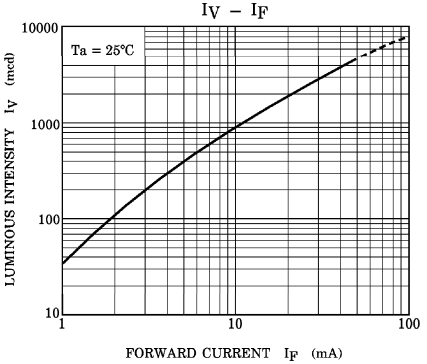
Toll Free: **(800) 98-4LEDS** • Fax: (518) 432-7454

TLOE16TP Graphs -

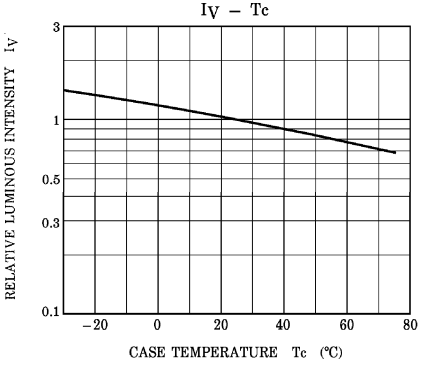
$I_F - V_F$



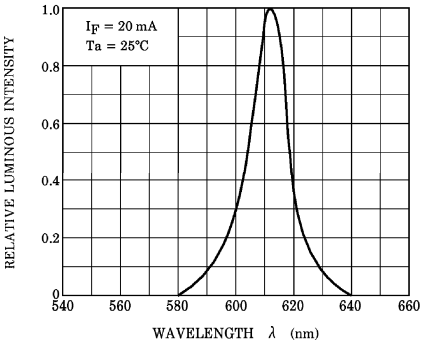
$I_V - I_F$



$I_V - T_c$

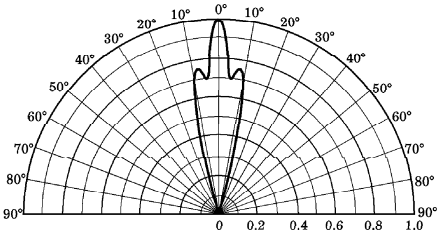


RELATIVE LUMINOUS INTENSITY − WAVELENGTH



RADIATION PATTERN

Ta = 25°C



$I_F - Ta$

