LED Lamp TLRE156P

InGaAIP Red Light Emission

Unit in mm

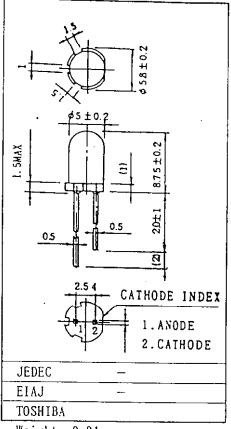
Panel Circuit Indicator

5mm Diameter (T1-3/4)

- InGaAIP Red LED
- All Plastic Mold Type
- · Colorless Clear Lens
- Low Drive Current, High Intensity Red Light Emission
 - Recommended Forward Current: I_F = 1 ~ 20 mA (DC)
- All Plastic Molded Lens
 - Provides an Excellent ON-OFF Contrast Ratio
- · Fast Response Time
 - Capable of Pulse Operation
- · High Power Luminous Intensity
- · Straight Lead (no stand-off)
- · Applications:
 - Outdoor Message Signboard
 - Railway Signals / Traffic Signals

Maximum Ratings ($T_a = 25^{\circ}C$)

Characteristic	Symbol	Rating	Unit
Forward Current (DC)	I _F	30	mA
Reverse Voltage	V _R	4	V
Power Dissipation	P _D	75	mW
Operating Temperature Range	T _{opr}	-30 ~ 85	°C
Storage Temperature Range	T _{stg}	-40 ~ 120	°C



Weight: 0.31g

Electro-Optical Characteristics (T_a = 25°C)

Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V _F	I _F = 20 mA	-	1.85	2.4	V
Reverse Current	I _R	V _R = 4 V	_	_	50	μΑ
Luminous Intensity (NOTE)	I _V	I _F = 20 mA	(153)	_	_	mcd
Peak Emission Wavelength	λρ	I _F = 20 mA	_	644	_	nm
Spectral Line Half Width	Δλ	I _F = 20 mA	_	18	_	nm
Dominant Wavelength	λ_{d}	I _F = 20 mA	_	630	_	nm

(NOTE) Rank selection carried out under next range respectively, although it needs $\pm 15\%$ additional for guaranteed limits. P:180-360mcd, Q:320-640mcd, R:560-1120mcd

The information contained here is subject to change without notice.

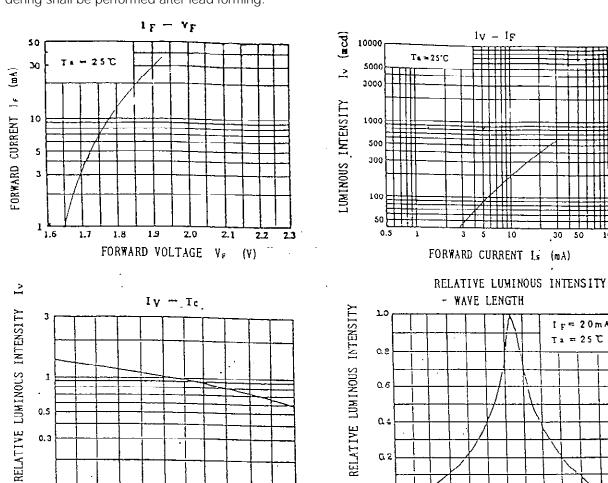
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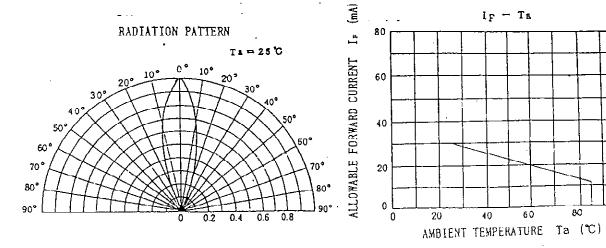
TOSHIBA CORPORATION 1/2

Precaution

Please be careful of the following:

- Soldering temperature: 260°C MAX. Soldering time: 3 sec MAX. (Soldering portion of lead: up to 2mm from the 1. body of the device)
- 2. If the lead is formed, the lead should be formed up to 5mm from the body of the device without forming stress. Soldering shall be performed after lead forming.





80

2/2

0.1

20

CASE TEMPERATURE Tc (℃)

40

1 r = 20mA Ta = 25 °C

نھ

700

100

630

λ (nm)

640

620

WAYE LENGTH

600

580