查询TLRH180P供应商 TOSHIBA

TLRH180P

TOSHIBA LED Lamp InGaAlP Red Light Emission

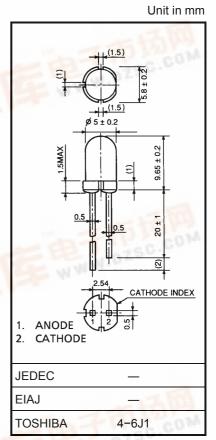
TLRH180P

Panel Circuit Indicator

- 5mm diameter (T1-3 / 4)
- InGaAℓP red LED
- All plastic mold type.
- Colorless clear lens
- Low drive current, high intensity red light emission Recommended forward current: IF = 1~20mA (DC)
- All plastic molded lens, provides an excellent on-off contrast ratio.
- Fast response time, capable of pulse operation.
- High power luminous intensity
- Without stand-offs
- Applications: Suitable for outdoor message signboard, safety equipment.

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit	
Forward current (DC)	١ _F	50	mA	
Reverse voltage	V _R	4	V	
Power dissipation	PD	125	mW	
Operating temperature range	Topr	-30~85	°C	
Storage temperature range	T _{stg}	-40~120	°C	



Weight: 0.31g

Electrical And Optical Characteristics (Ta = 25°C)

Ch	aracteristic	Symbol	Test Condition	Min	Тур.	Max	Unit
Forward voltag	e	V _F	I _F = 20 mA	- 25	1.9	2.5	V
Reverse currer	nt	I _R	V _R = 4 V	1	_	50	μA
Luminous intensity	TLRH180P	- Iv	IF = 20 mA (Note)	1530	5000	_	mcd
	TLRH180P(UV)		I _F = 20 mA (Note)	2720	_	12900	
Peak emission wavelength		λ _p	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): Lamps are classified into the following ranks according to their luminous intensity. Measurement tolerance for each limit is ±15%.

T: 1800–3600mcd, U: 3200–6400mcd, V: 5600–11200mcd.

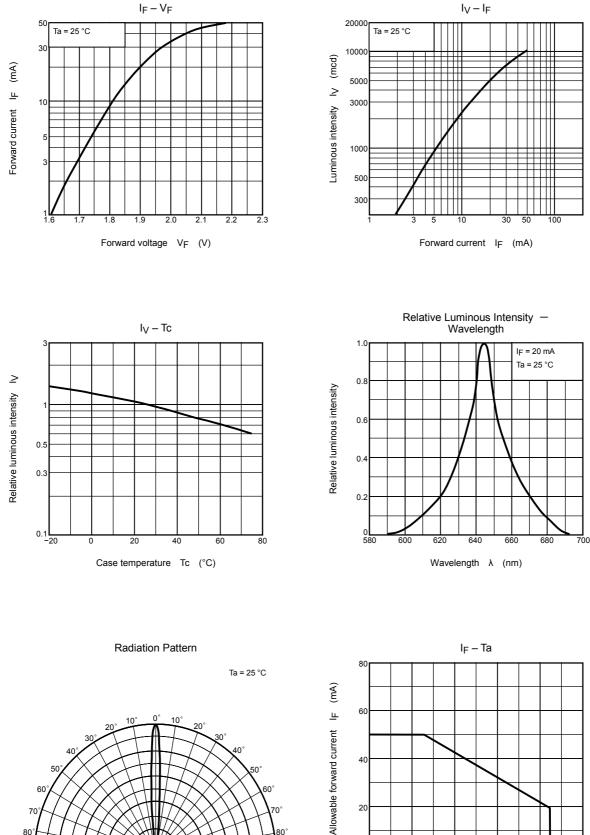


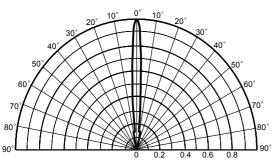
Precaution

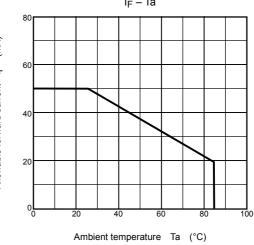
Please be careful of the following

- Soldering temperature: 260°Cmax Soldering time: 3 s max (Soldering portion of lead: Up to 2 mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5 mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.
- This visible LED lamp also emits some IR light. If a photodetector is located near the LED lamp, please ensure that it will not be affected by this IR light.

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