查询TLOU180P供应商 TOSHIBA

捷多邦,专业PCB打样工厂,24小时加急出货 TLOU180P, TLSU180P, TLYU180P

TOSHIBA InGaA_lP LED

TENTATIVE TLOU180P, TLSU180P, TLYU180P WWW.DZSC

Panel Circuit Indicator

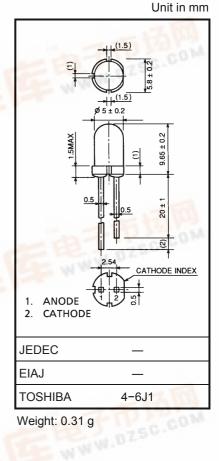
- InGaAℓP LED .
- Without stand-offs
- All plastic mold type
- Colorless clear lens •
- Lineup: 3 colors (red,orange,yellow)
- Suitable for high-brightness and less electricity consumption. •
- All plastic molded lens, provides an excellent on-off contrast ratio.
- Applications: Backlight, light for decoration, switches,
 - various indicator, personal equipment

Lineup

Product	Color	Material
TLOU180P	Orange	InGaAlP
TLSU180P	Red	InGaAtP
TLYU180P	Yellow	InGaAłP

Maximum Ratings (Ta = 25°C)

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Product	Forward Current I _F (mA)	Reverse Voltage V _R (V)	Power Dissipation P _D (mW)	Operating Temperature T _{opr} (°C)	storage temperature T _{stg} (°C)		
TLOU180P	30	0254	72	-30~85	-40~120		
TLSU180P	30	4	72	-30~85	-40~120		
TLYU180P	30	4	75	-30~85	-40~120		



Weight: 0.31 g

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Product		p. Emissi Vavelengt		Luminous Intensity I _V		Forward Voltage VF		Reverse Current I _R			
	λP	Δλ	١ _F	Min	Тур.	١ _F	Тур.	Max	١ _F	Max	V _R
TLOU180P	612	15	20	850	7000	20	2.0	2.4	20	50	4
TLSU180P	636	17	20	850	4500	20	2.0	2.4	20	50	4
TLYU180P	590	13	20	850	4300	20	2.1	2.5	20	50	4
Unit	n	m	mA	m	cd	mA	١	/	mA	μA	V

Electrical And Optical Characteristics(Ta = 25°C)

Precaution

Please be careful of the followings

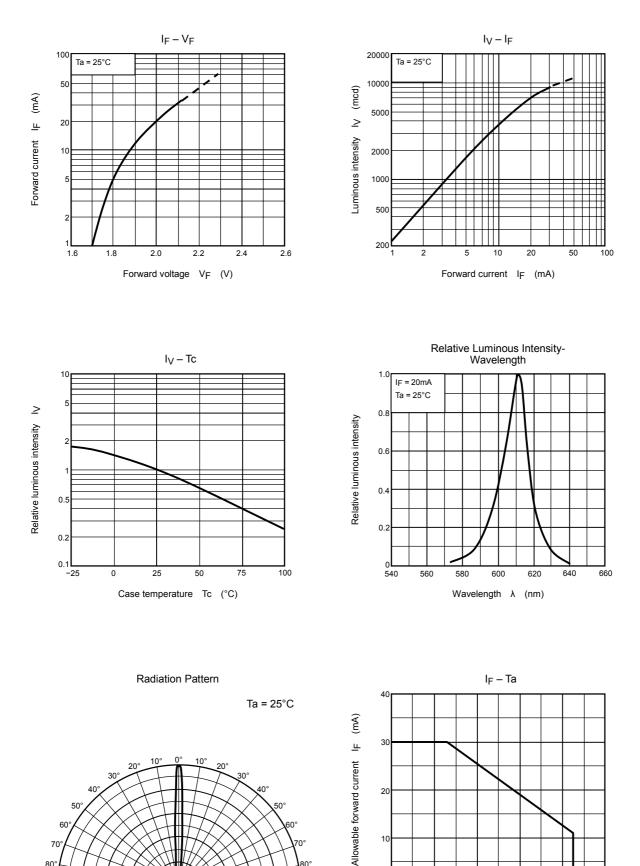
- Soldering temperature: 260°C max Soldering time: 3 s max (Soldering portion of lead: Up to 2 mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5 mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.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

TLOU180P, TLSU180P, TLYU180P

TLOU180P

80°

90



100

0L

20

40

60

Ambient temperature Ta (°C)

80

80 90

1.0

0.2 0.4 0.6 0.8

0

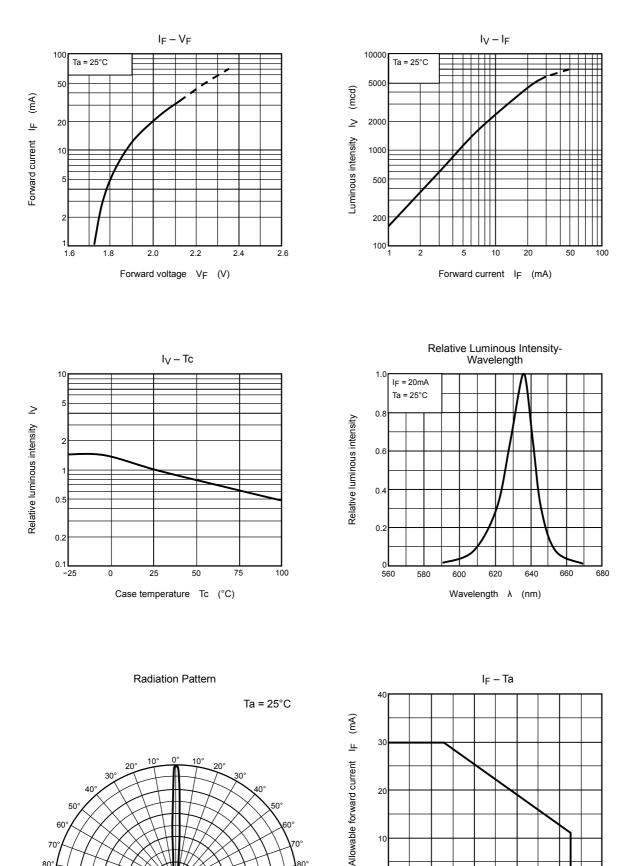
TLOU180P, TLSU180P, TLYU180P

TLSU180P

60

70° 80°

90



100

80

_____90° 1.0

0.2

0

0.4 0.6 0.8 10

0**L**

20

40

60

Ambient temperature Ta (°C)

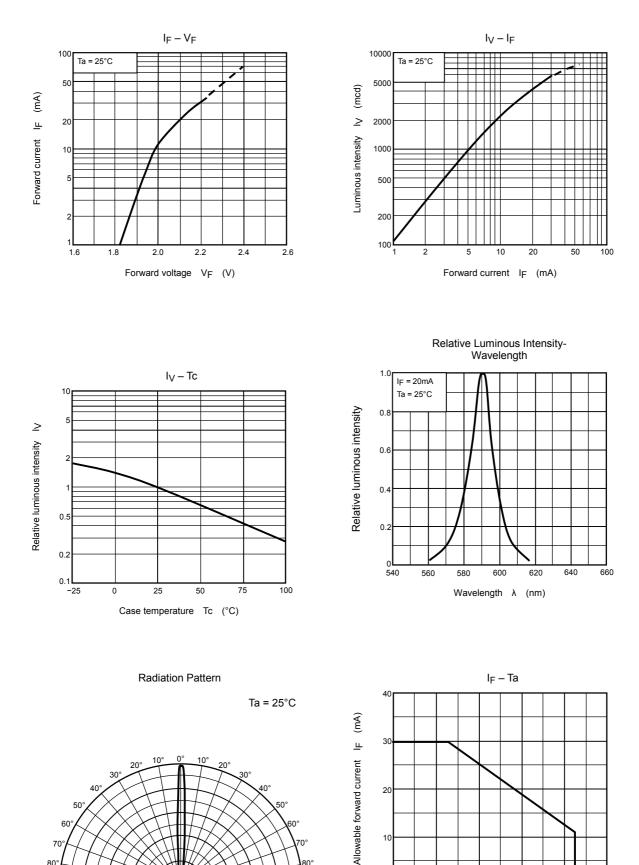
80

TLOU180P, TLSU180P, TLYU180P

TLYU180P

80

90



100

80

0**L**

20

40

Ambient temperature Ta (°C)

60

R ______90° 1.0

0.2

0

0.4 0.6 0.8

RESTRICTIONS ON PRODUCT USE

- TOSHIBA is continually working to improve the quality and reliability of its products. Nevertheless, semiconductor devices in general can malfunction or fail due to their inherent electrical sensitivity and vulnerability to physical stress. It is the responsibility of the buyer, when utilizing TOSHIBA products, to comply with the standards of safety in making a safe design for the entire system, and to avoid situations in which a malfunction or failure of such TOSHIBA products could cause loss of human life, bodily injury or damage to property.
 In developing your designs, please ensure that TOSHIBA products are used within specified operating ranges as set forth in the most recent TOSHIBA products specifications. Also, please keep in mind the precautions and conditions set forth in the "Handling Guide for Semiconductor Devices," or "TOSHIBA Semiconductor Reliability Handbook" etc..
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