

TOSHIBA LED LAMP

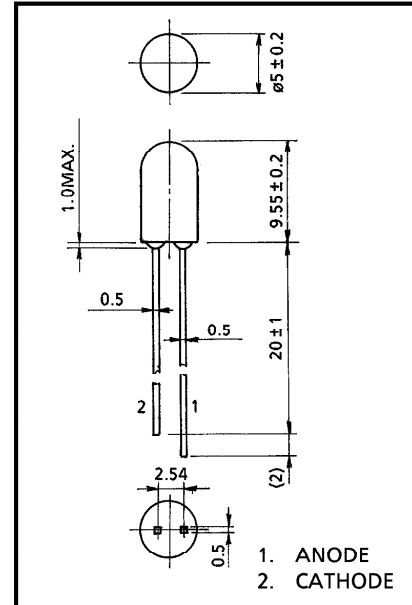
**TLG241P, TLO241P, TLPG241P
TLRC241P, TLS241P, TLY241P**

Unit in mm

- Flange Less Package
- Light Colored Transparent Lens
- Oval Lens, Ideal for Light Output
- Fast Response Time, Capable of Pulse Operation
- Six Colored Line Up
- Without Stand-offs

MATERIALS

PRODUCT NAME	MATERIALS	LIGHT EMITTING COLOR
TLPG241P	GaP	Pure Green
TLG241P	GaP	Green
TLY241P	GaAsP	Yellow
TLO241P	GaAsP	Orange
TLS241P	GaAsP	Red
TLRC241P	GaAlAs	



JEDEC	—
EIAJ	—
TOSHIBA	—

Weight : 0.31g

MAXIMUM RATINGS (Ta = 25°C)

PRODUCT NAME	FORWARD CURRENT I _F (mA)	REVERSE VOLTAGE V _R (V)	POWER DISSIPATION P _D (mW)	OPERATING TEMPERATURE RANGE T _{opr} (°C)	STORAGE TEMPERATURE RANGE T _{stg} (°C)
TLPG241P	25	4	70	-20~75	-30~100
TLG241P	25	4	70	-20~75	-30~100
TLY241P	25	4	70	-20~75	-30~100
TLO241P	25	4	70	-20~75	-30~100
TLS241P	25	4	70	-20~75	-30~100
TLRC241P	25	4	55	-20~75	-30~100

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PRODUCT NAME	EMISSION SPECTRUM			LUMINOUS INTENSITY I_V			FORWARD VOLTAGE V_F			REVERSE CURRENT I_R	
	λ_p	$\Delta\lambda$	I_F	MIN.	TYP.	I_F	TYP.	MAX.	I_F	MAX.	V_R
TLPG241P	555	20	20	27	100	20	2.15	2.8	20	100	4
TLG241P	565	25	20	48	200	20	2.15	2.8	20	100	4
TLY241P	585	32	20	48	150	20	2.05	2.8	20	100	4
TLO241P	610	35	20	48	150	20	2.05	2.8	20	100	4
TLS241P	635	40	20	48	150	20	2.05	2.8	20	100	4
TLRC241P	660	25	20	85	600	20	1.75	2.2	20	100	4
Unit	nm		mA	mcd		mA	V		mA	μ A	V

PRECAUTION

Please be careful of the followings.

- Soldering temperature : 260°C MAX. Soldering time : 3s MAX.
(Soldering portion of lead : up to 2mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.
- The TLRC series should not be used in high-temperature, high-humidity environments.

$I_V - I_F$

