

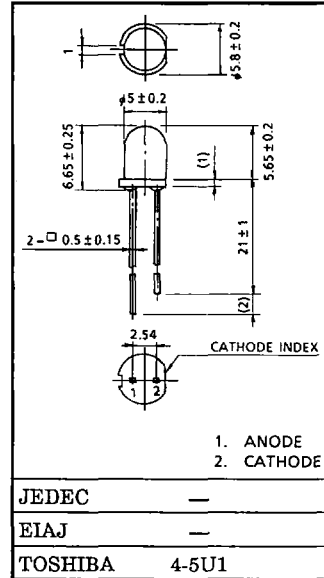
TOSHIBA LED LAMP

TLG263P, TLO263P, TLR263P, TLS263P, TLY263P

BACKLIGHTING LAMP

Unit in mm

- All Plastic Mold Type : Colored Transparent Lens
- Wide Radiation Pattern : Suitable for Backlighting
Half Angle = ± 65 deg. (Typ.) (Limits for 50% of I_y)
Recommend Forward Current : $I_F = 10 \sim 15$ mA (DC)
- Fast Response Time, Capable of Pulse Operation.
- Without stand-offs



Weight : 0.25g

MATERIALS

PRODUCT NAME	ITEM	MATERIALS	LIGHT EMITTING COLOR
TLG263P		GaP	Green
TLY263P		GaAsP	Yellow
TLO263P		GaAsP	Orange
TLS263P		GaAsP	Red
TLR263P		GaP	

MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

PRODUCT NAME	ITEM	FORWARD CURRENT I_F (mA)	REVERSE VOLTAGE V_R (V)	POWER DISSIPATION P_D (mW)	OPERATING TEMPERATURE RANGE T_{opr} ($^\circ\text{C}$)	STORAGE TEMPERATURE RANGE T_{stg} ($^\circ\text{C}$)
TLG263P		25	4	70	-20~75	-30~100
TLY263P		25	4	70	-20~75	-30~100
TLO263P		25	4	70	-20~75	-30~100
TLS263P		25	4	70	-20~75	-30~100
TLR263P		20	4	56	-20~75	-30~100

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ELECTRO-OPTICAL CHARACTERISTICS (Ta = 25°C)

PRODUCT NAME	EMISSION SPECTRUM			LUMINOUS INTENSITY I _v			FORWARD VOLTAGE V _F			REVERSE CURRENT I _R	
	λ _p	Δλ	I _F	MIN.	TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R
TLG263P	565	25	15	2.0	8.0	15	2.15	2.8	20	100	4
TLY263P	585	32	15	1.8	7.0	15	2.05	2.8	20	100	4
TLO263P	610	35	15	1.6	6.5	15	2.05	2.8	20	100	4
TLS263P	635	40	15	1.8	7.0	15	2.05	2.8	20	100	4
TLR263P	700	100	15	0.7	2.5	15	2.15	2.8	20	100	4
Unit	nm		mA	mcd		mA	V		mA	μA	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.

$I_V - I_F$

