TOSHIBA LED LAMP

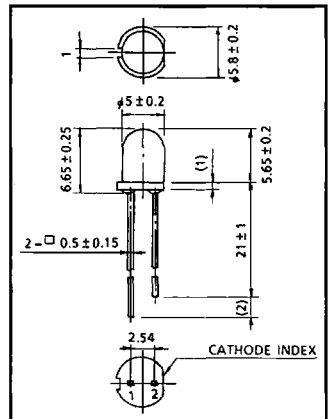
TLG263P, TLO263P, TLR263P, TLS263P, TLY263P

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_V)
  Recommend Forward Current : I_F = 10~15mA (DC)
- Fast Response Time, Capable of Pulse Operation.
- Without stand-offs



1. ANODE
2. CATHODE

JEDEC	—
EIAJ	—
TOSHIBA	4-5U1

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 (Ta = 25°C)

PRODUCT NAME \ ITEM	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)
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

ELECTRO-OPTICAL CHARACTERISTICS (Ta = 25°C)

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
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

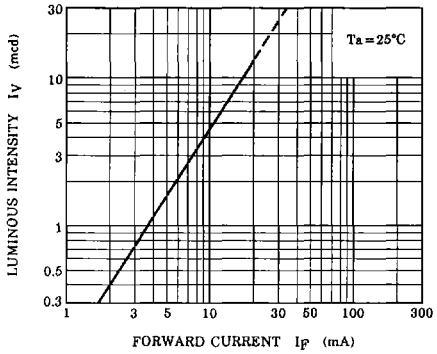
PRECAUTION

Please be careful of the followings.

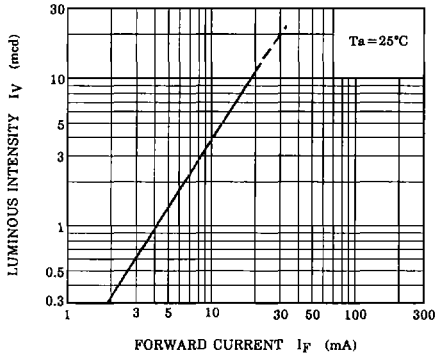
- Soldering temperature : 260°C MAX. Soldering time : 3s MAX.
  (Soldering portion of lead : up to 2mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.

$I_V - I_F$

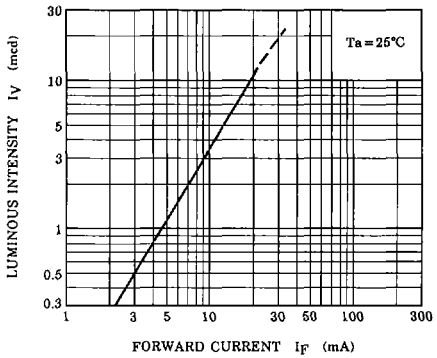
TLG263P



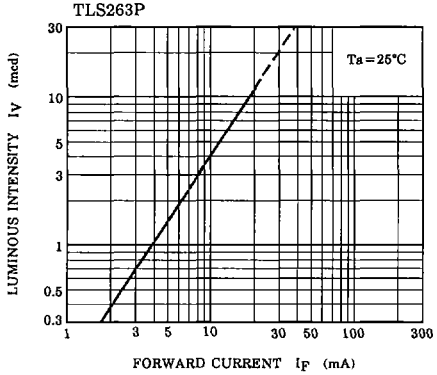
TLY263P



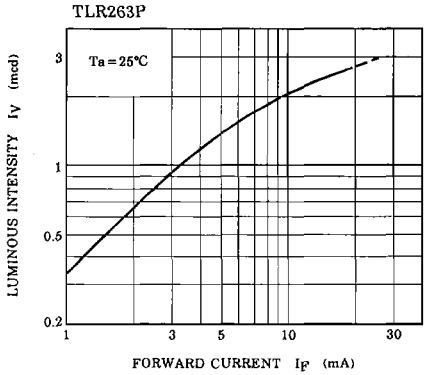
TLO263P



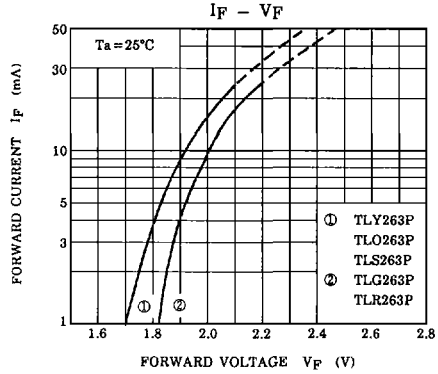
TLS263P



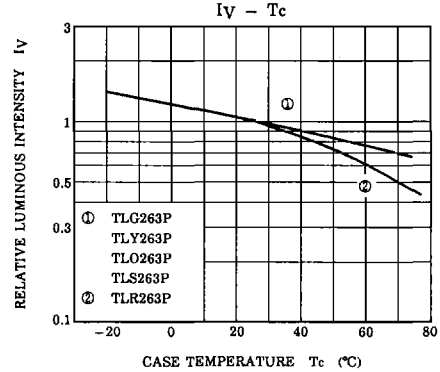
TLR263P



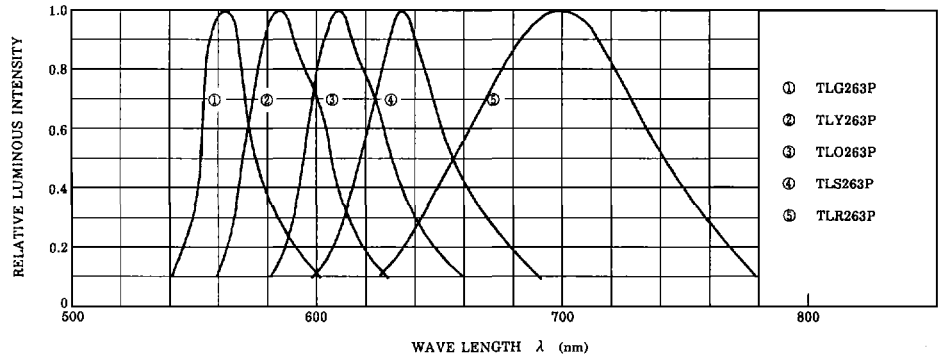
$I_F - V_F$



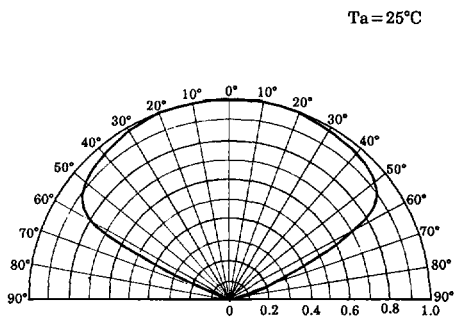
$I_V - Tc$



RELATIVE LUMINOUS INTENSITY – WAVE LENGTH



RADIATION PATTERN



$I_F - Ta$