

## TOSHIBA LED LAMP

## TLG207, TLR207, TLY207

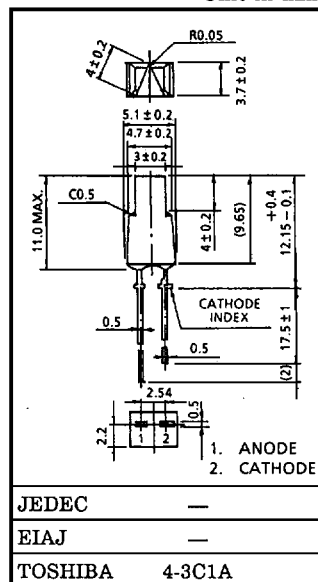
PANEL CIRCUIT INDICATOR

Unit in mm

- All Plastic Mold Type  
Triangular Type (Surface Size 3×4×4mm)
- Low Drive Current, High Intensity Light Emission.  
Recommended Forward Current :  $I_F = 15 \sim 20\text{mA}$  (DC)
- Fast Response Time, Capable of Pulse Operation.

## MATERIALS

ITEM	MATERIALS	LIGHT EMITTING COLOR
PRODUCT NAME		
TLG207	GaP	Green
TLY207	GaAsP	Yellow
TLR207	GaP	Red



Weight : 0.27g

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

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 $T_{stg}$ ( $^\circ\text{C}$ )
PRODUCT NAME					
TLG207	25	4	70	-20~75	-30~100
TLY207	25	4	70	-20~75	-30~100
TLR207	20	4	56	-20~75	-30~100

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ELECTRO-OPTICAL CHARACTERISTICS ( $T_a = 25^\circ\text{C}$ )

PRODUCT NAME	EMISSION SPECTRUM		LUMINOUS INTENSITY $I_v$				FORWARD VOLTAGE $V_F$			REVERSE CURRENT $I_R$	
	$\lambda_p$	$\Delta\lambda$	$I_F$	MIN.	TYP.	$I_F$	TYP.	MAX.	$I_F$	MAX.	$V_R$
TLG207	565	25	20	0.5	1.3	15	2.15	2.8	20	5	4
TLY207	585	32	20	0.5	1.0	15	2.05	2.8	20	100	4
TLR207	700	100	20	0.3	0.6	15	2.15	2.8	20	5	4
Unit	nm		mA	mcd		mA	V		mA	$\mu\text{A}$	V

## PRECAUTION

Please be careful of the followings.

- Soldering temperature :  $260^\circ\text{C}$  MAX. Soldering time : 3s MAX.  
(Soldering portion of lead : below the CATHODE INDEX)
- If the lead is formed, the lead should be formed below the CATHODE INDEX without forming stress to the resin. Soldering should be performed after lead forming.

 $I_v - I_F$ 