

TOSHIBA LED LAMP

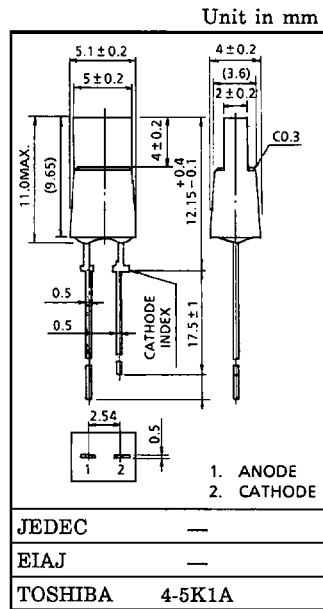
TLG208, TLO208, TLR208, TLS208, TLY208

PANEL CIRCUIT INDICATOR

- All Plastic Mold Type
Rectangular Type (Surface Size 2×5mm)
- 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

PRODUCT NAME	ITEM	MATERIALS	LIGHT EMITTING COLOR
TLG208		GaP	Green
TLY208		GaAsP	Yellow
TLO208		GaAsP	Orange
TLS208		GaAsP	Red
TLR208		GaP	



Weight : 0.32g

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} ($^\circ\text{C}$)
TLG208		25	4	70	-20~75	-30~100
TLY208		25	4	70	-20~75	-30~100
TLO208		25	4	70	-20~75	-30~100
TLS208		25	4	70	-20~75	-30~100
TLR208		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	$\Delta\lambda$	I_F	MIN.	TYP.	I_F	TYP.	MAX.	I_F	MAX.	V_R
TLG208	565	25	15	0.5	1.2	15	2.15	2.8	20	5	4
TLY208	585	32	15	0.4	0.9	15	2.05	2.8	20	100	4
TLO208	610	35	15	0.5	1.0	15	2.05	2.8	20	100	4
TLS208	635	40	15	0.5	1.2	15	2.05	2.8	20	100	4
TLR208	700	100	15	0.3	0.5	15	2.15	2.8	20	5	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 : 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.

$I_V - I_F$

