

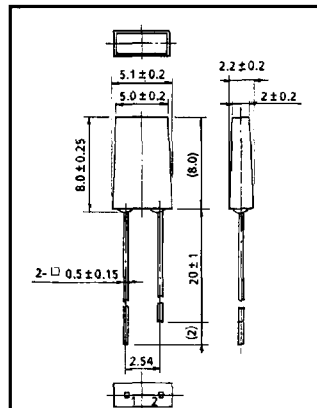
TOSHIBA LED LAMP

TLG218P, TLO218P, TLPG218P, TLR218P, TLS218P, TLY218P

PANEL CIRCUIT INDICATOR

Unit in mm

- All Plastic Mold Type
Rectangular Type (Surface Size 2×5mm)
- Low Drive Current, High Intensity Light Emission.
Recommended Forward Current : $I_F = 10 \sim 15 \text{mA}$ (DC)
- All Plastic Molded Lens, Provides an Excellent ON-OFF Contrast Ratio.
- Fast Response Time, Capable of Pulse Operation.
- Without stand-offs



JEDEC	—
EIAJ	—
TOSHIBA	4-5S1

Weight : 0.21g

MATERIALS

PRODUCT NAME	ITEM	MATERIALS	LIGHT EMITTING COLOR
TLPG218P		GaP	Pure Green
TLG218P		GaP	Green
TLY218P		GaAsP	Yellow
TLO218P		GaAsP	Orange
TLS218P		GaAsP	Red
TLR218P		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)
TLPG218P		25	4	70	-20~75	-30~100
TLG218P		25	4	70	-20~75	-30~100
TLY218P		25	4	70	-20~75	-30~100
TLO218P		25	4	70	-20~75	-30~100
TLS218P		25	4	70	-20~75	-30~100
TLR218P		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
TLPG218P	555	20	15	0.5	1.2	15	2.15	2.8	20	100	4
TLG218P	565	25	15	1.0	2.5	15	2.15	2.8	20	100	4
TLY218P	585	32	15	0.6	1.8	15	2.05	2.8	20	100	4
TLO218P	610	35	15	0.6	2.2	15	2.05	2.8	20	100	4
TLS218P	635	40	15	0.8	2.4	15	2.05	2.8	20	100	4
TLR218P	700	100	15	0.4	0.8	15	2.15	2.8	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.

$I_V - I_F$

