

TOSHIBA Photocoupler Photorelay

# TLP4176G

PBX

Telecommunication

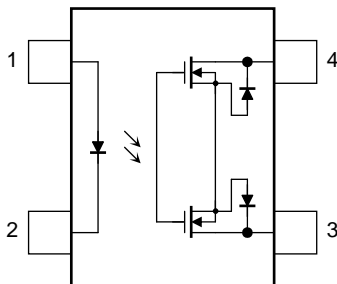
Modem FAX Cards, Modems In PC

Measurement Instrumentation

The TOSHIBA TLP4176GA consists of an aluminum gallium arsenide infrared emitting diode optically coupled to a photo-MOSFET in a SOP, which is suitable for surface mount assembly.

The TLP4176GA is suitable for the modem applications which require space savings.

- 4 pin SOP (2.54SOP4): 2.1 mm high, 2.54 mm pitch
- 1-form-B
- Peak off-state voltage: 350 V (min)
- Trigger LED current: 3 mA (max)
- On-state current: 120 mA (max)
- On-state resistance: 25



- 1: ANODE
- 2: CATHODE
- 3: DRAIN
- 4: DRAIN

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Weight: 0.1 g (typ.)

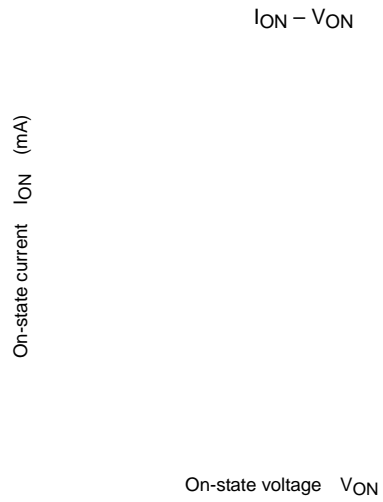
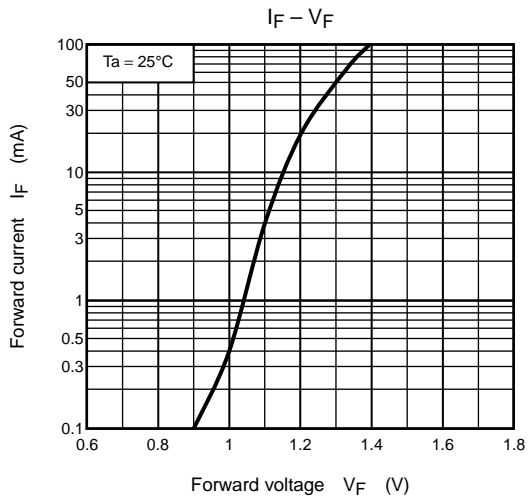
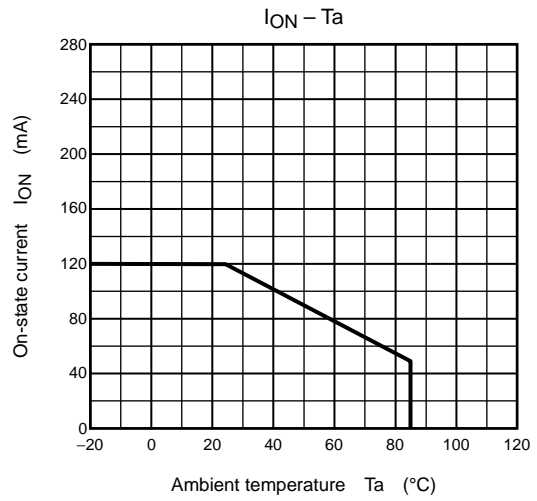
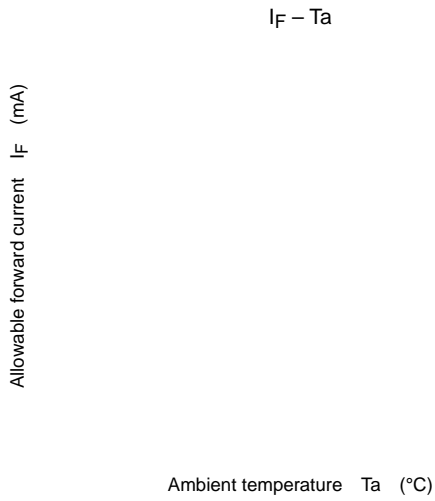


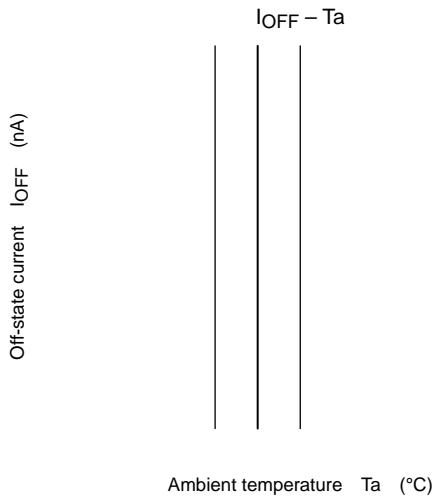
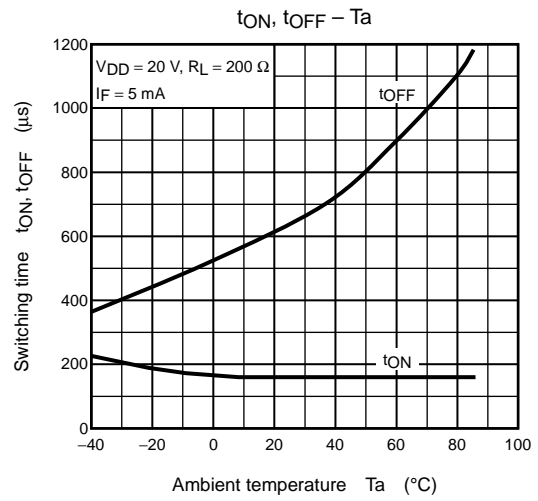
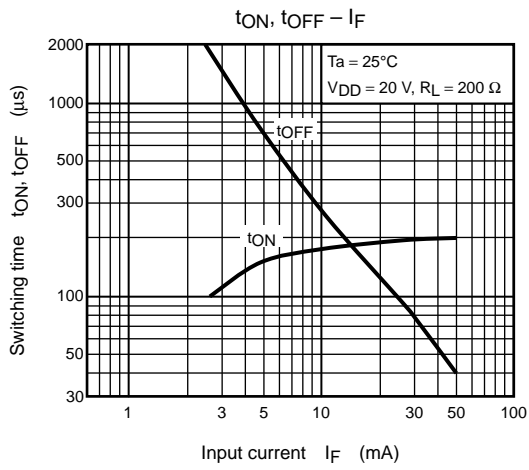
## Coupled Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Trigger LED current	I <sub>FC</sub>	I <sub>OFF</sub> = 10 μA		1	3	mA
Return LED current	I <sub>FT</sub>	I <sub>ON</sub> = 120 mA	0.1			mA
On-state resistance	R <sub>ON</sub>	I <sub>ON</sub> = 120 mA		15	25	Ω

## Isolation Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	0
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