TOSHIBA Photocoupler GaAs Ired & Photo-Thyristor

# TLP747GF

# Office Machine Switching Power Supply

The TOSHIBA TLP747GF consists of a photo-thyristor optically coupled to a gallium arsenide infrared emitting diode in a six lead plastic DIP. All parameters are tested to the specification of TLP747G. (both condition and limits)

- Peak off-state voltage: 400V min.
- Trigger LED current: 15mA max.
- On-state current: 150mA max.
- UL recognized: UL1577, file no. E67349
- BSI approved: BS EN60065: 2002

Certificate no. 7364

BS EN60950-1: 2002

Certificate no. 7365

SEMCO approved:EN60065,EN60950-1,EN60335-1

Certificate no.302586

- Isolation voltage: 4000Vrms min.
- Option (D4) type

VDE approved: DIN EN 60747-5-2,

Certificate no.40009373

Maximum operating insulation voltage: 890, 1130VPK Highest permissible over voltage: 6000, 8000VPK

### (Note) When an EN 60747-5-2 approved type is needed, please designate the "Option (D4)"

Creepage distance: 8.0mm (min.)

Clearance: 8.0mm (min.)

Internal creepage path: 4.0mm (min.) Insulation thickness: 0.5mm (min.)

Conforming safety standards:

DIN 57 804. VDE0804 / 1.83

DIN IEC65 / VDE0860 / 8.81

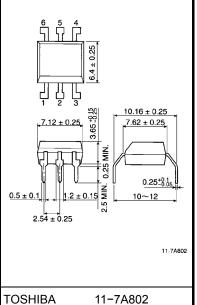
DIN IEC380 / VDE0806 / 8.81

DIN IEC435 / VDE0805 / draft nov. 84

DIN IEC601T1 / VDE0750T1 / 5.82

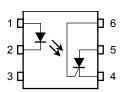
BS7002: 1989 (EN60950)

Unit in mm



Weight: 0.42 g

## Pin Configuration (top view)



- 1: ANODE
- 2 · CATHODE
- 3: NC
- 4: CATHODE
- 5: ANODE
- 6: GATE

### RESTRICTIONS ON PRODUCT USE

TOSHIBA TLP747GF

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· TOSHIBA is continually working to improve the quality and reliability of its products. Nevertheless, semiconductor devices in general can malfunction or fail due to their inherent electrical sensitivity and vulnerability to physical stress. It is the responsibility of the buyer, when utilizing TOSHIBA products, to comply with the standards of safety in making a safe design for the entire system, and to avoid situations in which a malfunction or failure of such TOSHIBA products could cause loss of human life, bodily injury or damage to property.

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