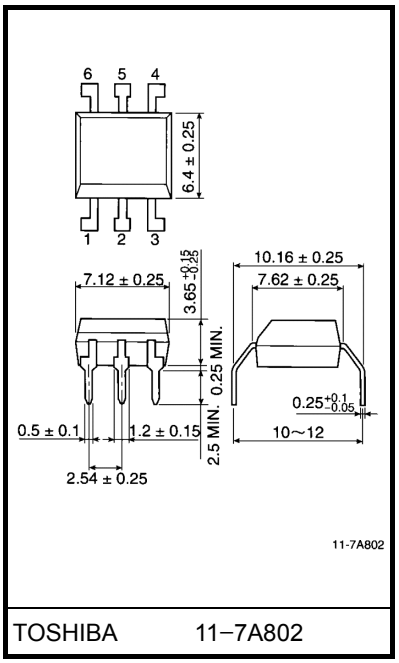
TOSHIBA Photocoupler GaAs Ired & Photo−Thyristor

TLP747JF

Unit in mm



TOSHIBA 11−7A802

Weight: 0.42g

Office Machine

Switching Power Supply

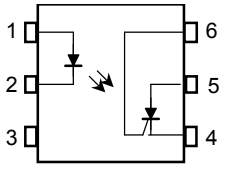
The TOSHIBA TLP747JF consists of a photo−thyristor optically coupled to a gallium arsenide infrared emitting diode in a six lead plastic DIP. All parameters are tested to the specification of TLP747J. (both condition and limits)

- Peak off−state voltage: 600V (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, 1130V_{PK}
  Highest permissible over voltage: 6000, 8000V_{PK}

  (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)

Pin Configurations (top view)



1 : Anode
2 : Cathode
3 : NC
4 : Cathode
5 : Anode
6 : Gate

RESTRICTIONS ON PRODUCT USE

20070701-EN

- The information contained herein is subject to change without notice.
- 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.
  In developing your designs, please ensure that TOSHIBA products are used within specified operating ranges as set forth in the most recent TOSHIBA products specifications. Also, please keep in mind the precautions and conditions set forth in the “Handling Guide for Semiconductor Devices,” or “TOSHIBA Semiconductor Reliability Handbook” etc.
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