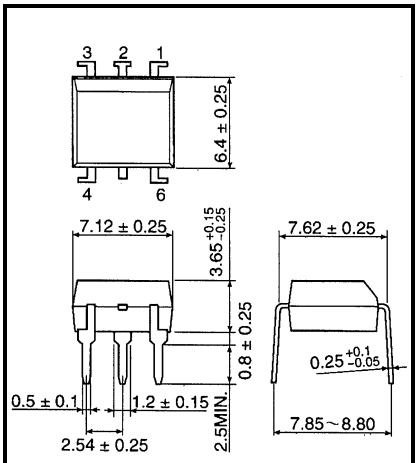
TOSHIBA PHOTOCOUPLER GaAs IRED & PHOTO-TRIAC

TLP3020(S),TLP3021(S),TLP3022(S),TLP3023(S)

OFFICE MACHINE
HOUSEHOLD USE EQUIPMENT
TRIAC DRIVER
SOLID STATE RELAY

Unit: mm



JEDEC	—
EIAJ	—
TOSHIBA	11-7A9

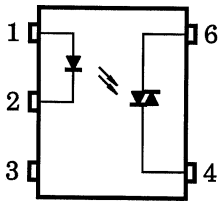
Weight : 0.39g

The TOSHIBA TLP3020 (S), TLP3021 (S), TLP3022 (S) and TLP3023 (S) consist of photo-triac optically coupled to a gallium arsenide infrared emitting diode in a six lead plastic DIP.
All parameters are tested to the specification of TLP3020, TLP3021, TLP3022 and TLP3023.

- Peak Off-State Voltage : 400 V (min)
- Trigger LED Current : 30 mA (max) (TLP3020)
  15 mA (max) (TLP3021)
  10 mA (max) (TLP3022)
  5 mA (max) (TLP3023)
- On-State Current : 100 mA (max)
- UL Recognized : UL1577, File No. E67349
- Isolation Voltage : 5000 Vrms (min)
- SEMKO Approved : SS EN60065
  SS EN60950
  SS EN60335
- Option (D4) Type
  VDE Approved : DIN VDE0884 / 06.92
  Certificate No. 68329
  Maximum Operating Insulation Voltage : 890 Vpk
  Highest Permissible Over Voltage : 8000 Vpk

Note: When a VDE0884 approved type is needed, please designate the "Option (D4) "

PIN CONFIGURATION (Top view)



1: ANODE
2: CATHODE
3: N.C.
4: TERMINAL 1
6: TERMINAL 2

	7.62 mm pich standard type	10.16 mm pich (LF2) type
Creepage Distance	7.0 mm (min)	8.0 mm (min)
Clearance	7.0 mm (min)	8.0 mm (min)
Insulation Thickness	0.5 mm (min)	0.5 mm (min)

RESTRICTIONS ON PRODUCT USE

000707EBC

- 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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- The products described in this document are subject to the foreign exchange and foreign trade laws.
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