

TOSHIBA PHOTOCOUPLER GaAs IRED & PHOTO-TRIAC

TLP3031(S),TLP3032(S),TLP3033(S)

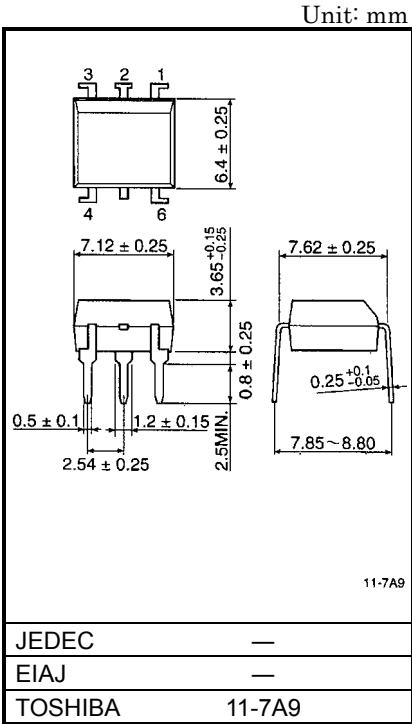
OFFICE MACHINE  
HOUSEHOLD USE EQUIPMENT  
TRIAC DRIVER  
SOLID STATE RELAY

The TOSHIBA TLP3031 (S), TLP3032 (S), TLP3033 (S) consist of a zero voltage crossing turn-on 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 TLP3031, TLP3032, TLP3033.

- Peak Off-State Voltage : 250 V (min)
  - Trigger LED Current : 15 mA (max) (TLP3031)  
10 mA (max) (TLP3032)  
5 mA (max) (TLP3033)
  - 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

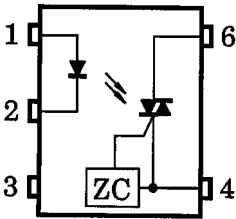
**Note:** When a VDE0884 approved type is needed,please designate the "Option (D4) "

	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)



Weight: 0.39g

PIN CONFIGURATION (Top view)



- 1: ANODE
- 2: CATHODE
- 3: N.C.
- 4: TERMINAL1
- 6: TERMINAL2

**RESTRICTIONS ON PRODUCT USE**

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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.  
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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- Gallium arsenide (GaAs) is a substance used in the products described in this document. GaAs dust and fumes are toxic. Do not break, cut or pulverize the product, or use chemicals to dissolve them. When disposing of the products, follow the appropriate regulations. Do not dispose of the products with other industrial waste or with domestic garbage.
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