TOSHIBA

TOSHIBA PHOTOCOUPLER GaAs IRED & PHOTO-TRIAC

TLP3009(S),TLP3010(S),TLP3011(S),TLP3012(S)

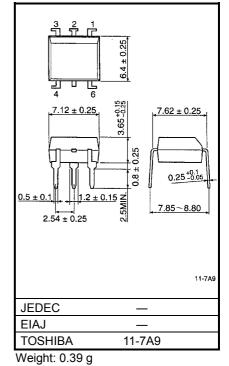
OFFICE MACHINE HOUSEHOLD USE EQUIPMENT TRIAC DRIVER SOLID STATE RELAY

The TOSHIBA TLP3009 (S), TLP3010 (S), TLP3011 (S) and TLP3012 (S) consist of a 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 TLP3009, TLP3010, TLP3011 and TLP3012.

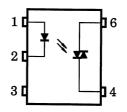
- Peak Off-State Voltage : 250 V (min)
- Trigger LED Current
- 30 mA (max) (TLP3009)
 15 mA (max) (TLP3010)
 10 mA (max) (TLP3011)
 5 mA (max) (TLP3012)
 100 mA (max)
- On-State Current
- UL Recognized : UL1577, File No. E67349
- Isolation Voltage : 5000 Vrms (min)
- SEMKO Approved
- : SS EN60065 SS 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	10.16 mm pich
	standard type	(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)

Unit: mm

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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