

TOSHIBA PHOTOCOUPLER GaAs IRED &amp; PHOTO-TRIAC

**TLP666GF**

OFFICE MACHINE  
HOUSEHOLD USE EQUIPMENT  
TRIAC DRIVER  
SOLID STATE RELAY

The TOSHIBA TLP666FG consists 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 TLP666G.  
(both condition and limits)

- Peak Off-State Voltage : 400V (Min.)
- Trigger LED Current : 10mA (Max.)
- On-State Current : 100mA (Max.)
- UL Recognized : UL1577, File No. E67349
- Isolation Voltage : 5000V<sub>rms</sub> (Min.)
- Option (D4) type  
VDE Approved : DIN VDE0884 / 08.87,  
Certificate No. 68383

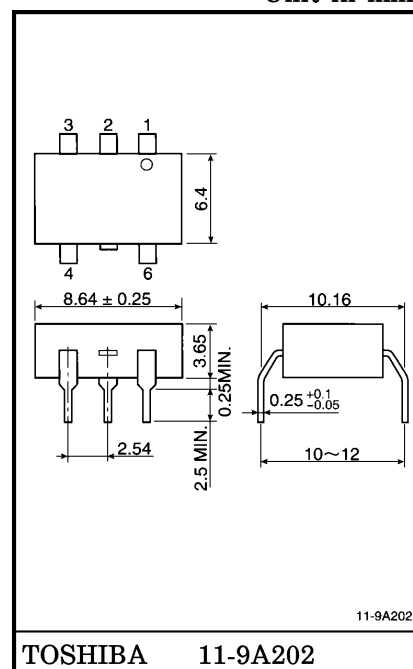
Maximum Operating Insulation Voltage : 630V<sub>PK</sub>

Highest Permissible Over Voltage : 6000V<sub>PK</sub>

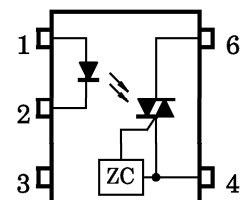
(Note 1) When a VDE0884 approved type is needed,  
please designate the "Option (D4)"

- Structural Parameter
  - Creepage Distance : 8.0mm (Min.)
  - Clearance : 8.0mm (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



## PIN CONFIGURATIONS (TOP VIEW)



- 1 : ANODE
- 2 : CATHODE
- 3 : NC
- 4 : TERMINAL 1
- 6 : TERMINAL 2

**RESTRICTIONS ON PRODUCT USE**

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