

TOSHIBA Photocoupler GaAlAs Ired + Photo-IC

## TLP759F

Digital Logic Ground Isolation  
 Line Receiver  
 Microprocessor System Interfaces  
 Switching Power Supply Feedback Control  
 Transistor Inverter

The TOSHIBA TLP759F consists of a GaAlAs high-output light emitting diode and a high speed detector of one chip photo diode-transistor. This unit is 8-lead DIP package.

TLP759F has no internal base connection, and a Faraday shield integrated on the photodetector chip provides an effective common mode noise transient immunity.

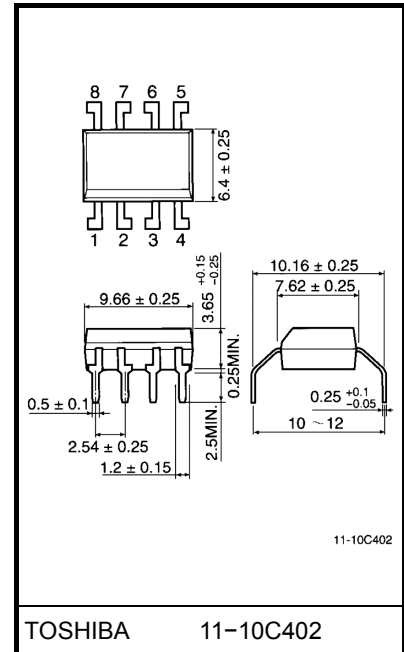
So this is suitable for application in noisy environmental condition. All parameters are tested to the specification of TLP759.

- Isolation voltage: 5000 Vrms (min)
  - Switching speed:  $t_{pHL} = 0.2 \mu s$  (typ.)  
 $t_{pHL} = 0.3 \mu s$  (typ.) ( $R_L = 1.9 k\Omega$ )
  - TTL compatible
  - UL recognized: UL1577, file no. E67349
  - BSI approved:  
 BS EN60065:2002, certificate no.8869  
 BS EN60950-1:2002, certificate no.8870
  - Option (D4) type  
 VDE approved: DIN EN 60747-5-2  
 Certificate no. 40009302
- Maximum operating insulation: 1140V<sub>PK</sub>  
 Highest permissible over voltage: 6000V<sub>PK</sub>

**(Note) When an EN 60747-5-2 approved type is needed, please designate the "Option (D4)"**

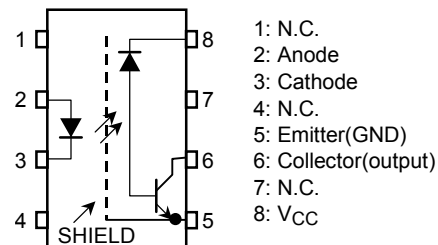
- Creepage distance: 8.0 mm  
 Clearance: 8.0 mm  
 Insulation thickness: 0.4 mm

Unit: mm

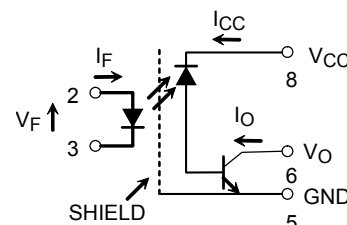


Weight: 0.54 g (typ.)

### Pin Configuration(top view)



### Schematic



Start of commercial production  
 1995/08

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