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 GaA $\ell$ As high-output light emitting diode and a high speed detector of one chip photo diodetransistor. 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:  $t_{pHL} = 0.3 \mu s$  (typ.)

 $t_{pHL} = 0.5 \mu s$  (typ.) (RL = 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

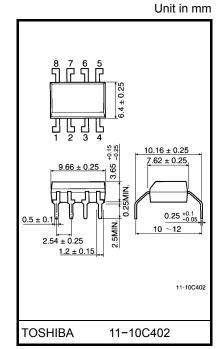
 $\label{eq:continuous} Certificate no.~40009302$  Maximum operating insulation: 1140VpK Highest permissible over voltage: 6000VpK

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

• Creepage distance: 8.0mm

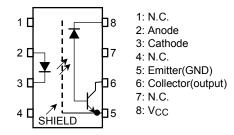
Clearance: 8.0mm

Insulation thickness: 0.4mm

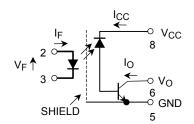


Weight: 0.54g

## Pin Configuration(top view)



### **Schematic**



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20070701-EN

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