

TLP751F

- Digital Logic Ground Isolation
- Line Receivers
- Microprocessor System Interfaces
- Switching Power Supply Feedback Control
- Analog Signal Isolation

The TOSHIBA TLP751F consists of a high-output GaAlAs light emitting diode optically coupled to a high-speed photodiode with a transistor amplifier and is housed in an 8-pin DIP.

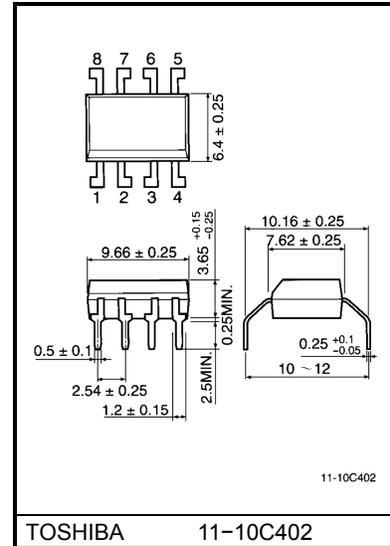
The TLP751F has internal base connection, and with offering this base pin the TLP751 is suitable for analog applications and enable operation. If the base pin is left open, an output signal will be susceptible to external noise. In this case, the TLP750F is recommended.

All parameters are the same as those of the TLP751 and listed in its datasheet.

- Switching speed: $t_{pHL} = 0.2 \mu s$ (typ.)
 $t_{pLH} = 1.0 \mu s$ (typ.) ($R_L = 4.1 k\Omega$)
- TTL compatible
- UL recognized: UL1577, file no. E67349
- BSI approved: BS EN60065: 2002,
Certificate no. 8869
BS EN60950-1: 2002,
Certificate no. 8870
- Isolation voltage: 5000 Vrms (min)
- Option(D4)type
VDE approved: DIN EN 60747-5-2,
Certificate no. 40009302
Maximum operating insulation voltage: 1140 VPK
Maximum permissible overvoltage: 8000 VPK
- Creepage distance: 8.0 mm (min)
Clearance: 8.0 mm (min)
Insulation thickness: 0.4 mm (min)

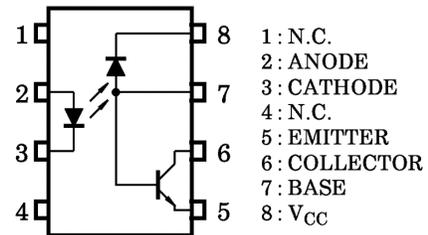
(Note) When an EN 60747-5-2 approved type is needed, please designate the "Option(D4)"

Unit: mm

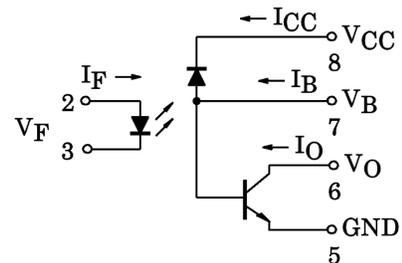


Weight: 0.54g (typ.)

Pin Configuration (top view)



Schematic



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20070701-EN GENERAL

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