TOSHIBA Photocoupler GaAs IRed & Photo-Transistor

# TLP421F

Office Equipment Household Appliances Solid State Relays Switching Power Supplies Various Controllers Signal Transmission Between Different Voltage Circuits

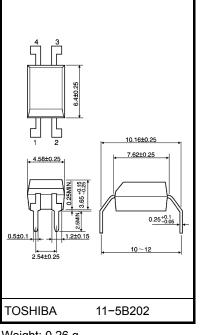
The TOSHIBA TLP421F consists of a silicone photo-transistor optically coupled to a gallium arsenide infrared emitting diode in a four lead plastic DIP (DIP4) with having high isolation voltage (AC: 5kV<sub>RMS</sub> (min)).

Absolute maximum ratings and electrical characteristics are the same as TLP421 technical datasheet.

- Collector-emitter voltage: 80V (min)
- Current transfer ratio: 50% (min) Rank GB: 100% (min)
- Isolation voltage: 5000 V<sub>rms</sub> (min)
- UL recognized: UL1577
- BSI approved: BS EN60065: 2002

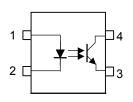
Approved no. 8411 BS EN60950-1: 2002 Approved no. 8412

• SEMKO approved: EN60065, EN60950, EN60335 Approved no. 9910249 / 01



Weight: 0.26 g

# Pin Configurations (top view)



1 : ANODE

- 2 : CATHODE
- 3 : EMITTER

4 : COLLECTOR

### TOSHIBA

• Option (D4) type

TUV approved: DIN EN 60747-5-2

Approved no. 40010944 Maximum operating insulation voltage: 1130VPK

Maximum permissible over voltage:  $8000V_{PK}$ 

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

Making VDE application: DIN EN 60747-5-2

• Construction mechanical rating

	10.16mm pitch TLP421F type
Creepage distance	8.0 mm (min)
Clearance	8.0 mm (min)
Insulation thickness	0.4 mm (min)

#### **RESTRICTIONS ON PRODUCT USE**

20070701-EN

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