

TLP421F

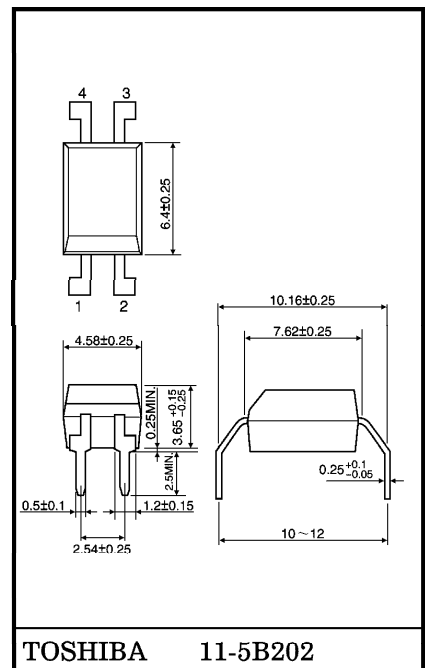
- OFFICE EQUIPMENT
- HOUSEHOLD APPLIANCES
- SOLID STATE RELAYS
- SWITCHING POWER SUPPLIES
- VARIOUS CONTROLLERS
- SIGNAL TRANSMISSION BETWEEN DIFFERENT VOLTAGE CIRCUITS

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 : 5k V_{RMS} (min)).

Maximum rating and electrical characteristics are the same as TLP421 technical datasheet.

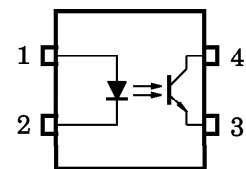
- Collector-Emitter Voltage : 80 V (min)
- Current Transfer Ratio : 50% (min)
Rank GB : 100% (min)
- Isolation Voltage : 5000 V_{rms} (min)
- UL Recognized : UL1577
- BSI Approved : BS EN60065 : 1994
Approved No. 8411
BS EN60950 : 1992
Approved No. 8412
- SEMKO Approved : EN60065, EN60950, EN60335
Approved No. 9910249 / 01

Unit in mm



Weight : 0.26 g

PIN CONFIGURATIONS (TOP VIEW)



- 1 : ANODE
- 2 : CATHODE
- 3 : EMITTER
- 4 : COLLECTOR

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● Gallium arsenide (GaAs) is a substance used in the products described in this document. GaAs dust and fumes are toxic. Do not break, cut or pulverize the product, or use chemicals to dissolve them. When disposing of the products, follow the appropriate regulations. Do not dispose of the products with other industrial waste or with domestic garbage.

● The products described in this document are subject to the foreign exchange and foreign trade laws.

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● The information contained herein is subject to change without notice.

- Option (D4) type
TÜV Approved : DIN VDE0884
Approved No. R9950202
Maximum Operating Insulation Voltage : 1130 V_{PK}
Maximum Permissible Over Voltage : 8000 V_{PK}

(Note) : When a VDE0884 approved type is needed, please designate the "Option (D4)"
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Making VDE Application : DIN VDE0884

- Construction Mechanical Rating

	10.16 mm pitch TLP421F type
Creepage Distance	8.0 mm (min)
Clearance	8.0 mm (min)
Insulation Thickness	0.4 mm (min)