TENTATIVE

TOSHIBA PHOTOCOUPLER GaA&As IRED & PHOTO-IC

TLP250F

TRANSISTOR INVERTER

INVERTER FOR AIR CONDITIONOR

IGBT GATE DRIVE

POWER MOS FET GATE DRIVE

The Toshiba TLP250F consists of a GaAlAs light emitting diode and a integrated photodetector.

This unit is 8-lead DIP.

TLP250F is suitable for gate driving circuit of IGBT or power MOS FET.

• Input Threshold Current: IF=5mA (Max.)

• Supply Current : 11mA (Max.)

• Supply Voltage : 10~35V

• Output Current : ±1.5A (Max.)

• Switching Time : t_{pHL} , $t_{pLH} = 0.5 \mu s$ (Max.)

• Isolation Voltage : 2500V_{rms} (Min.)

• UL Recognized : UL1577, File No.E67349

• Option (D4) type

VDE Approved : DIN VDE0884/06.92、認定No.76823

Maximum Operating Insulation Voltage: 1140VpK Highest Permissible Over Voltage: 6000VpK

(Note 1) When a VDE0884 approved type is needed, please designate the "Option (D4)"

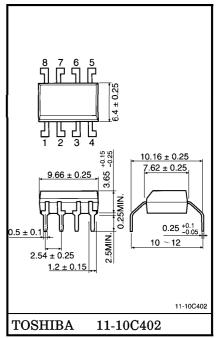
• Structural Parameter

Creepage Distance : 8.0mm (Min.)
Clearance : 8.0mm (Min.)

TRUTH TABLE

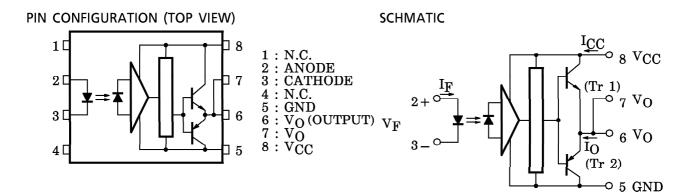
		Tr1	Tr2
Input LED	ON	ON	OFF
	OFF	OFF	ON

Unit in mm



Weight: 0.54g

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(Note 2) A $0.1\mu\mathrm{F}$ bypass capcitor must be connected between pin 8 and 5.

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