

**TOSHIBA**

BLDC: Brushless Motor

# **Proposal for Electric Motor Applications**

~ Isolators Devices~

Toshiba Electronic Devices & Storage Corporation

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# Transistor output photocoupler

Power saving

Communication

Development support

Value provided

## Reduction of board space and maintenance-free reliability are major merits

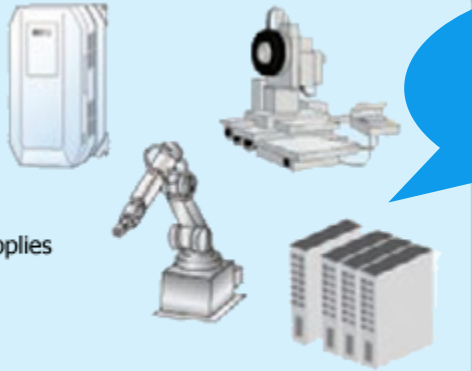
### 1 High conversion efficiency ( $I_F=5\text{mA}$ )

Optically coupled high-isolation photo coupler with a phototransistor and a high-power infrared LED, enabling low input current control and high conversion efficiency compared to conventional electromagnetic relays and isolation transformers.

### 2 Designed for high temperature operation up to 110°C


Designed to operate under extreme conditions of ambient temperature such as inverter devices, robots, machine tools and high output power supplies.

Industrial equipment  
Inverters  
Servo amplifiers  
Robots  
Tooling machines  
High output power supplies  
Security equipment  
Semiconductor testers  
Programmable logic controllers



*High isolation and noise suppression*

#### Product lineup

Part Number	TLP385
Package	4pin SO6L 
$BV_S$ (Min) [Vrms]	5000
$T_{opr}$ [°C]	-55 ~ 110

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*Our semiconductor and storage products  
will always be a driving force to change the world*

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