

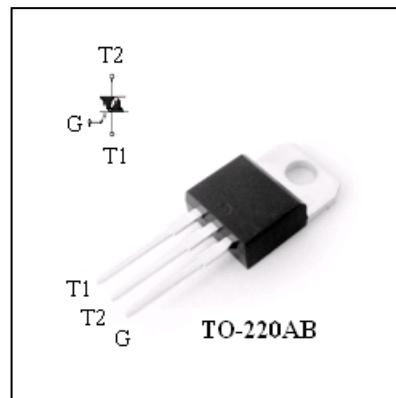
## BT137-600E

### ■•Package

TO-220AB

### •Main Feature (T<sub>j</sub>=25°C)

Symbol	Value	Unit
I <sub>T(RMS)</sub>	8	A
V <sub>DRM</sub> / V <sub>RRM</sub>	600/600	V
I <sub>TSM</sub>	60	A



### FEATURE

Advanced glass-passivation chip, small on-state voltage, high reliability.

### ■USAGE

Used in voltage-adjusted circuits for dim and changing temperature, control circuit for microwave oven, wash machine, air conditioner, electric fan etc. as well as AC phase control, inverter circuits.

### ■LIMITED VALVES

Characteristics	Symbol	Value	Unit	Condition
Junction temperature	T <sub>j</sub>	110	°C	
Storage temp.	T <sub>stg</sub>	-40~150	°C	

### ■ELECTRIC CHARACTERISTICS(T<sub>a</sub>=25°C)

Characteristics	Symbol	Condition	Min	Max	Unit
Repeat peak cut-off current	I <sub>DRM</sub>	V <sub>D</sub> =V <sub>DRM</sub>	----	1.0	mA
On-state voltage	V <sub>TM</sub>	I <sub>T</sub> =10A	----	1.6	V
Holding current	I <sub>H</sub> I	V <sub>D</sub> =24V, I <sub>GT</sub> =50mA	----	50	mA
	III		----	50	mA
Latching current	I <sub>L</sub> I	V <sub>D</sub> =24V, I <sub>GT</sub> =50mA	----	50	mA
	III		----	50	mA
Gate trigger current	I	V <sub>D</sub> =12V, R <sub>L</sub> =100 Ω	----	5	mA
	II		----	5	mA
	III		----	5	mA
	IV		----	---	mA
Gate trigger voltage	I	V <sub>D</sub> =12V, R <sub>L</sub> =100 Ω	----	2.2	V
	II		----	2.2	V
	III		----	2.2	V
	IV		----	---	V
Gate non-trigger voltage	V <sub>GD</sub>	V <sub>D</sub> =1/2 V <sub>DRM</sub>	0.2	---	---