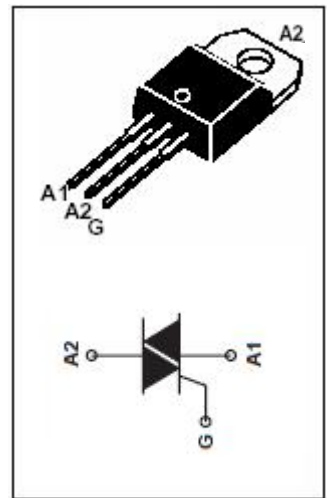


**FEATURES**

- With TO-220AB non insulated package
- Suitable for general purpose AC switching. Which can be used as an ON/OFF function in applications such as static relays, heating regulation, induction motor starting circuits. Or for phase control operation in light dimmers, motor speed controllers etc.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

**ABSOLUTE MAXIMUM RATINGS(Ta=25°C)**

SYMBOL	PARAMETER	MIN	UNIT	
V <sub>DRM</sub>	Repetitive peak off-state voltage	400	V	
V <sub>RRM</sub>	Repetitive peak off-state voltage	400	V	
I <sub>T(RMS)</sub>	RMS on-state current (full sine wave)	8	A	
I <sub>TSM</sub>	Non-repetitive peak on-state current	50HZ	100	A
		60HZ	83	A
P <sub>G(AV)</sub>	Average gate power dissipation	0.5	W	
T <sub>j</sub>	Operating junction temperature	125	°C	
T <sub>stg</sub>	Storage temperature	-40~125	°C	

**ELECTRICAL CHARACTERISTICS (T<sub>c</sub>=25°C unless otherwise specified)**

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
I <sub>RRM</sub>	Repetitive peak reverse current	V <sub>R</sub> =V <sub>RRM</sub>	50	uA
		V <sub>R</sub> =V <sub>RRM</sub> , T <sub>j</sub> =100°C	0.5	mA
I <sub>DRM</sub>	Repetitive peak off-state current	V <sub>D</sub> =V <sub>DRM</sub> , T <sub>j</sub> =25°C	50	uA
		V <sub>D</sub> =V <sub>DRM</sub> , T <sub>j</sub> =100°C	0.5	mA
I <sub>GT</sub>	Gate trigger current	I	25	mA
		II	25	
		III	25	
V <sub>GT</sub>	Gate trigger voltage all quadrant	V <sub>D</sub> =12V; R <sub>L</sub> = 33 Ω	1.3	V
V <sub>TM</sub>	On-state voltage	I <sub>T</sub> = 11.3A; t <sub>p</sub> = 380 μ s	1.6	V

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