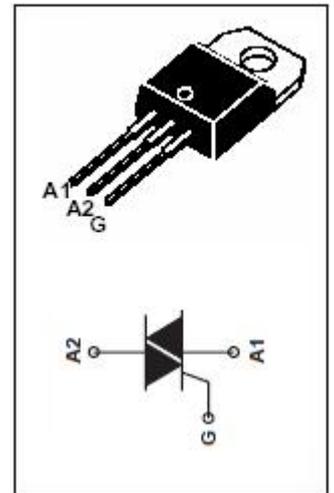


**FEATURES**

- With TO-220AB non insulated package
- Suitable for general purpose applications where gate high sensitivity is required. application on 4Q such as phase control and static switching.
- Minimum Lot-to-Lot variations for robust device performance and reliable Operation

**ABSOLUTE MAXIMUM RATINGS(Ta=25°C)**

SYMBOL	PARAMETER	MIN	UNIT
$I_{T(RMS)}$	RMS on-state current (full sine wave) $T_j=90^\circ\text{C}$	6	A
$I_{TSM}$	Non-repetitive peak on-state current $t_p=10\text{ms}$	60	A
$T_j$	Operating junction temperature	110	°C
$T_{stg}$	Storage temperature	-45~150	°C
$R_{th(j-c)}$	Thermal resistance, junction to case	3.2	°C/W
$R_{th(j-a)}$	Thermal resistance, junction to ambient	60	°C/W



SYMBOL	PARAMETER	400T/D/S/A	600T/D/S/A	700T/D/S/A	UNIT
$V_{DRM}$	Repetitive peak off-state voltage	400	600	700	V
$V_{RRM}$	Repetitive peak reverse voltage	400	600	700	V

**ELECTRICAL CHARACTERISTICS (Tc=25°C unless otherwise specified)**

SYMBOL	PARAMETER	CONDITIONS	MAX				UNIT	
$I_{RRM}$	Repetitive peak reverse current	$V_R=V_{RRM}$ , $V_R=V_{RRM}$ , $T_j=110^\circ\text{C}$	0.01 0.75				mA	
$I_{DRM}$	Repetitive peak off-state current	$V_D=V_{DRM}$ , $V_D=V_{DRM}$ , $T_j=110^\circ\text{C}$	0.01 0.75				mA	
$I_{GT}$	Gate trigger current	$V_D=12\text{V}$ ; $R_L=33\ \Omega$	I - II - III	T	D	S	A	mA
			IV	5	5	10	10	
$I_H$	Holding current	$I_{GT}=0.1\text{A}$ , Gate Open	15	15	25	25	mA	
$V_{GT}$	Gate trigger voltage all quadrant	$V_D=12\text{V}$ ; $R_L=30\ \Omega$	1.5				V	
$V_{TM}$	On-state voltage	$I_T=8.5\text{A}$	1.65				V	

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