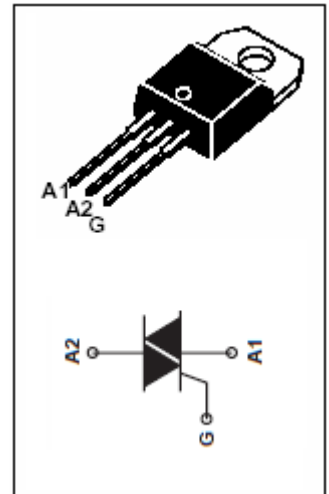


FEATURES

- With TO-220AB 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 in light dimmers, motor speed controllers etc.

ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}\text{C}$)

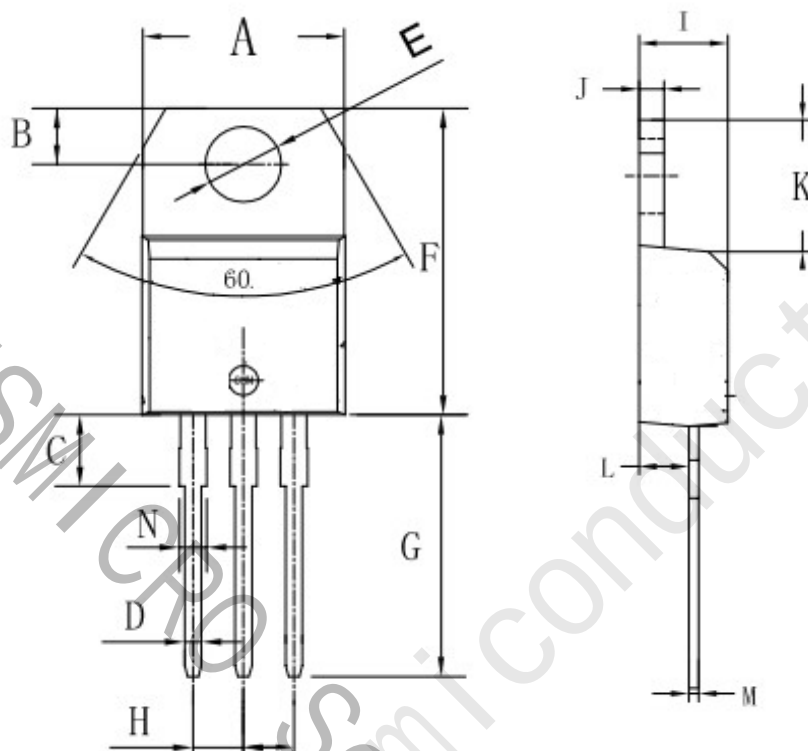
SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	600	V
V_{RRM}	Repetitive peak reverse voltage	600	V
$I_{\text{T(RMS)}}$	RMS on-state current (full sine wave) $T_j=105^{\circ}\text{C}$	8	A
I_{TSM}	Non-repetitive peak on-state current $t_p=20\text{ms}$	80	A
T_j	Operating junction temperature	110	$^{\circ}\text{C}$
T_{stg}	Storage temperature	-45~150	$^{\circ}\text{C}$
$R_{\text{th(j-c)}}$	Thermal resistance, junction to case	2.5	$^{\circ}\text{C/W}$
$R_{\text{th(j-a)}}$	Thermal resistance, junction to ambient	60	$^{\circ}\text{C/W}$



ELECTRICAL CHARACTERISTICS ($T_c=25^{\circ}\text{C}$ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		$V_R=V_{\text{RRM}}$, $V_R=V_{\text{RRM}}$, $T_j=110^{\circ}\text{C}$	0.01 0.5	mA
I_{DRM}	Repetitive peak off-state current		$V_D=V_{\text{DRM}}$, $V_D=V_{\text{DRM}}$, $T_j=110^{\circ}\text{C}$	0.01 0.5	mA
I_{GT}	Gate trigger current	I- II -III	$V_D=12\text{V}$; $R_L=30\ \Omega$	5	mA
I_{H}	Holding current		$I_{\text{GT}}=0.1\text{A}$, Gate Open	10	mA
V_{GT}	Gate trigger voltage	I- II -III	$V_D=12\text{V}$; $R_L=30\ \Omega$	1.3	V
V_{TM}	On-state voltage		$I_T=11\text{A}$; $t_p=380\ \mu\text{s}$	1.55	V

TO-220 AB PACKAGE OUTLINE DIMENSIONS



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	9.8	10.4	0.385	0.409
B	2.65	3.1	0.104	0.122
C	2.8	4.2	0.110	0.165
D	0.7	0.92	0.027	0.036
E	3.75	3.95	0.147	0.155
F	14.8	16.1	0.582	0.633
G	13.05	13.6	0.513	0.535
H	2.4	2.7	0.094	0.106
I	4.38	4.61	0.172	0.181
J	1.15	1.36	0.045	0.053
K	5.85	6.82	0.230	0.268
L	2.35	2.75	0.092	0.108
M	0.35	0.65	0.013	0.025
N	1.18	1.42	0.046	0.055