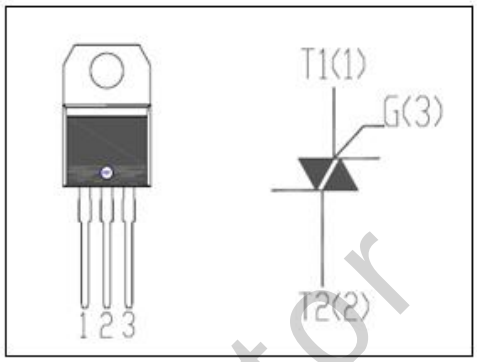
FEATURES

- With TO-220AB insulated package
- Suitables 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



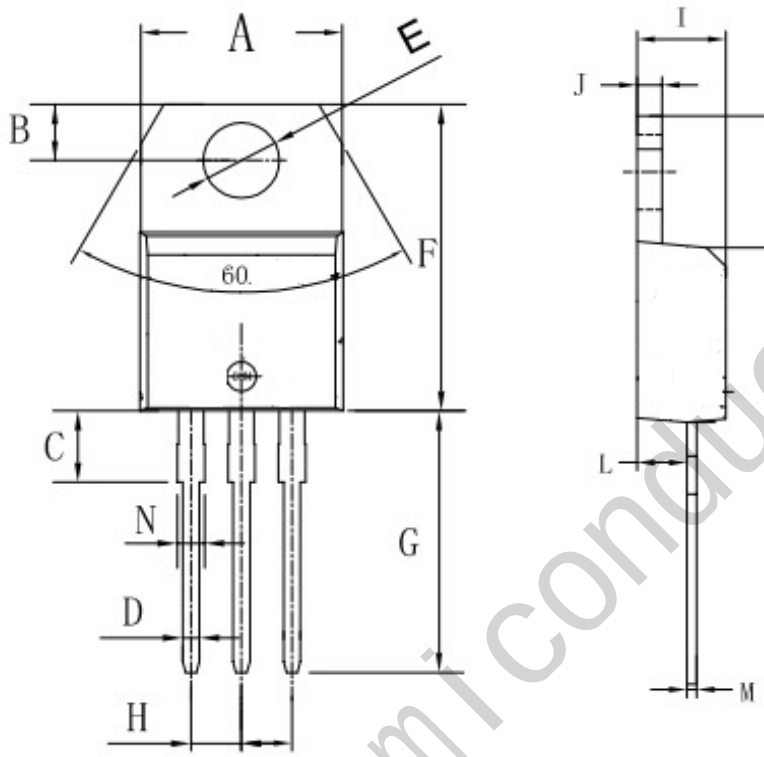
ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	800	V
V_{RRM}	Repetitive peak off-state voltage	800	V
$I_{T(RMS)}$	RMS on-state current (full sine wave)Tc=105℃	10	A
I_{TSM}	Non-repetitive peak on-state current t_p=20ms	100	A
T_j	Operating junction temperature	125	℃
T_{stg}	Storage temperature	-40~150	℃
$R_{th(j-c)}$	Thermal resistance, junction to case	2.4	℃/W
$R_{th(j-a)}$	Thermal resistance, junction to ambient	60	℃/W

ELECTRICAL CHARACTERISTICS (T_C=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		V_R=V_{RRM}, V V M, Tj=110℃	0.0051	mA
I_{DRM}	Repetitive peak off-state current		V_R=V_{RRM}, V V M, Tj=110℃	0.0051	mA
I_{GT}	Gate trigger current	I-Ⅱ-Ⅲ	V_D=12V; R_L= 30Ω	50	mA
I_H	Holding current		I_{GT}= 0.1A, Gate Open	50	mA
V_{GT}	Gate trigger voltage	I-Ⅱ-Ⅲ	V_D=12V; R_L= 30Ω	1.3	V
V_{TM}	On-state voltage		I_T= 14A; t_p= 380μs	1.55	V

TO-220AB 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