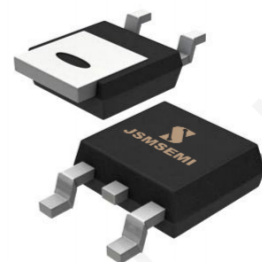


FEATURES

- With TO-252 package
- Glass passivated triacs in a plastic envelope, Intended for use in general purpose bidirectional switching and phase control applications, where high sensitivity is required in all our quadrants.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



TO-252



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

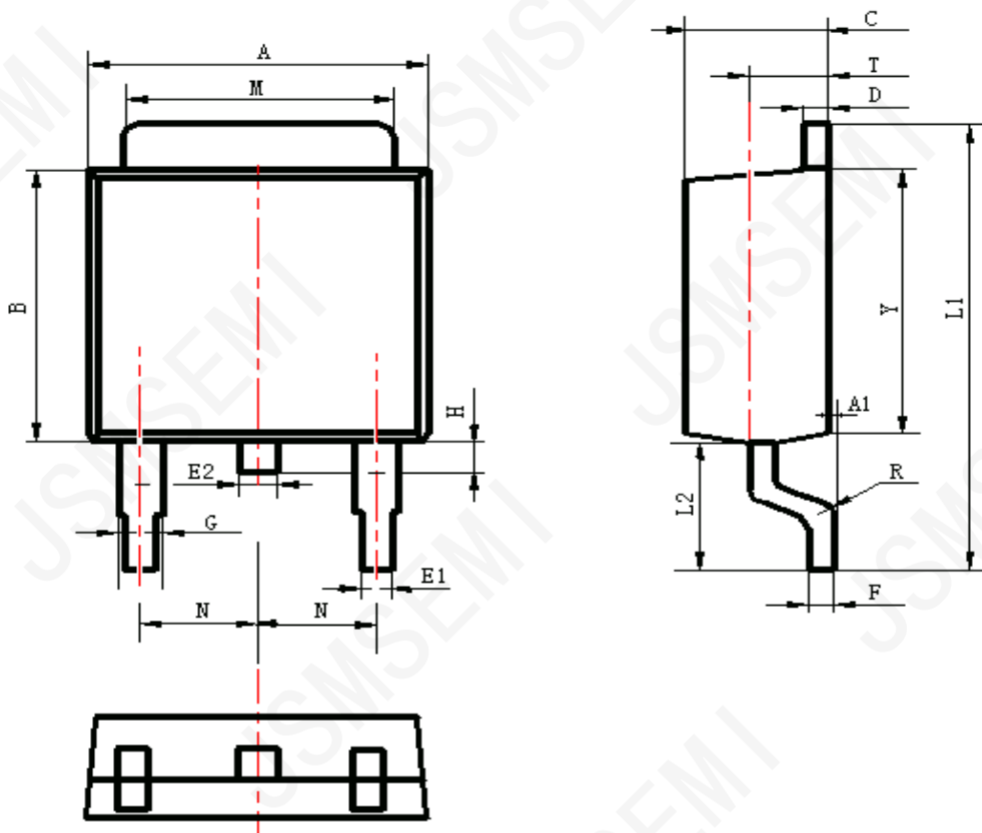
SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	600	V
V_{RRM}	Repetitive peak off-state voltage	600	V
$I_{T(RMS)}$	RMS on-state current (full sine wave)	12	A
I_{TSM}	Non-repetitive peak on-state current	95	A
P_{GM}	Peak gate power dissipation	5	W
$P_{G(AV)}$	Average gate power dissipation	0.5	W
T_j	Operating junction temperature	125	℃
T_{stg}	Storage temperature	-45~150	℃

ELECTRICAL CHARACTERISTICS (T_c=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MIN	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		$V_R = V_{RRM}$, $V_R = V_{RRM}$, $T_j = 125^\circ\text{C}$		0.02 0.5	mA
I_{DRM}	Repetitive peak off-state current		$V_D = V_{DRM}$, $V_D = V_{DRM}$, $T_j = 125^\circ\text{C}$		0.02 0.5	mA
I_{GT}	Gate trigger current	I	$V_D = 12\text{V}$; $I_T = 0.1\text{A}$, $R_L = 30\ \Omega$		10	mA
		II			10	
		III			10	
		IV			25	
V_{TM}	On-state voltage		$I_T = 15\text{A}$		1.65	V
I_H	Holding current		$I_{GT} = 0.1\text{A}$, $V_D = 12\text{V}$		35	mA
V_{GT}	Gate trigger voltage		$V_D = 12\text{V}$; $R_L = 30\ \Omega$ all quadrant		1.5	V

Package Information

TO-252



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	6.30	6.90	0.248	0.272
A1	0.00	0.16	0.000	0.006
B	5.70	6.30	0.224	0.248
C	2.10	2.50	0.083	0.098
D	0.30	0.70	0.012	0.028
E1	0.60	0.90	0.024	0.035
E2	0.70	1.00	0.028	0.039
F	0.30	0.60	0.012	0.024
G	0.70	1.20	0.028	0.047
L1	9.60	10.50	0.378	0.413
L2	2.70	3.10	0.106	0.122
H	0.40	1.00	0.016	0.039
M	5.10	5.50	0.201	0.217
N	2.09	2.49	0.082	0.098
R	0.30		0.012	
T	1.40	1.60	0.055	0.063
Y	5.10	6.30	0.201	0.248