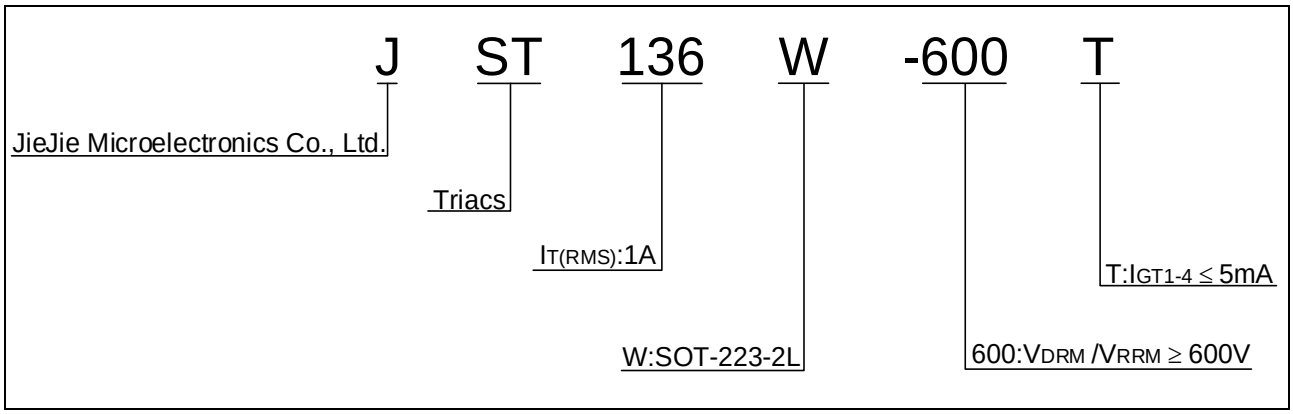
(T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	ALL	MAX.	5	mA
V_{GT}		ALL	MAX.	1.3	V
V_{GD}	V_D=V_{DRM} T_j=125 R_L=3.3kΩ	ALL	MIN.	0.2	V
I_L	I_G=1.2I_{GT}	-	MAX.	10	mA
		-		15	
I_H	I_T=100mA		MAX.	5	mA
dV/dt	V_D=400V Gate Open T_j=110		MIN.	30	V/μs
(dV/dt)c	(dI/dt)c=1.8A/ms, T_j=110		MIN.	1	V/μs
t_{on}	I_G=10mA I_A=200mA I_R=20mA T_j=25		TYP.	1	μs
t_{off}				12	

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM}=5A t_p=380μs	T_j=25	1.7	V
V_{TO}	Threshold voltage	T_j=125	0.94	V
R_D	Dynamic resistance	T_j=125	124	mΩ
I_{DRM}	V_D=V_{DRM} V_R=V_{RRM}	T_j=25	5	μA
I_{RRM}		T_j=125	0.3	mA

Symbol	Parameter	Value	Unit
$R_{th(j-c)}$	junction to case (AC)	15	/W
$R_{th(j-a)}$	junction to ambient (AC)	150	/W


J
ST
136
W
-600
T
JieJie Microelectronics Co., Ltd.
Triacs
IT(RMS):1A
W:SOT-223-2L
600:VDRM /VRRM ≥ 600V
T:IGT1-4 ≤ 5mA

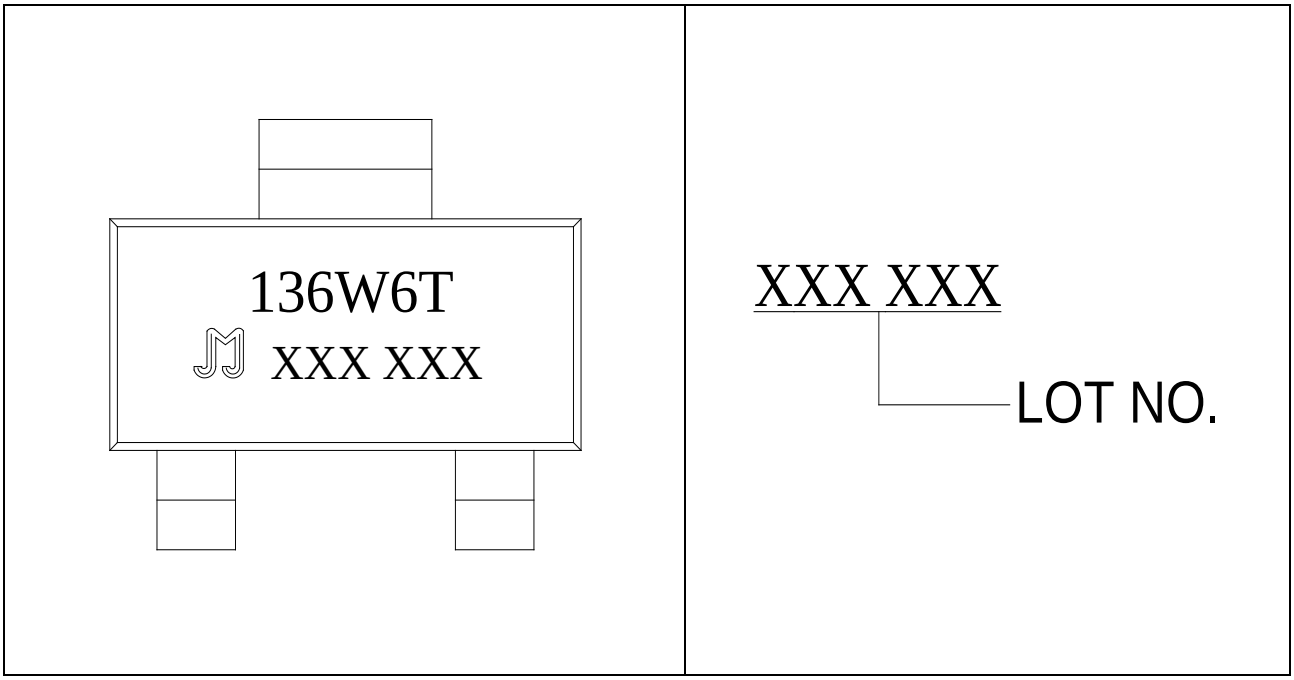

136W6T
XXX XXX
XXX XXX
LOT NO.

FIG.1: Maximum power dissipation versus RMS on-state current

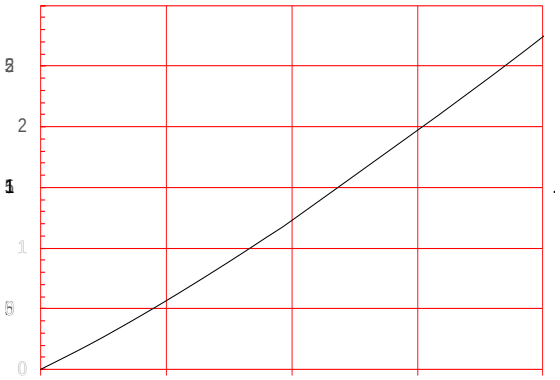
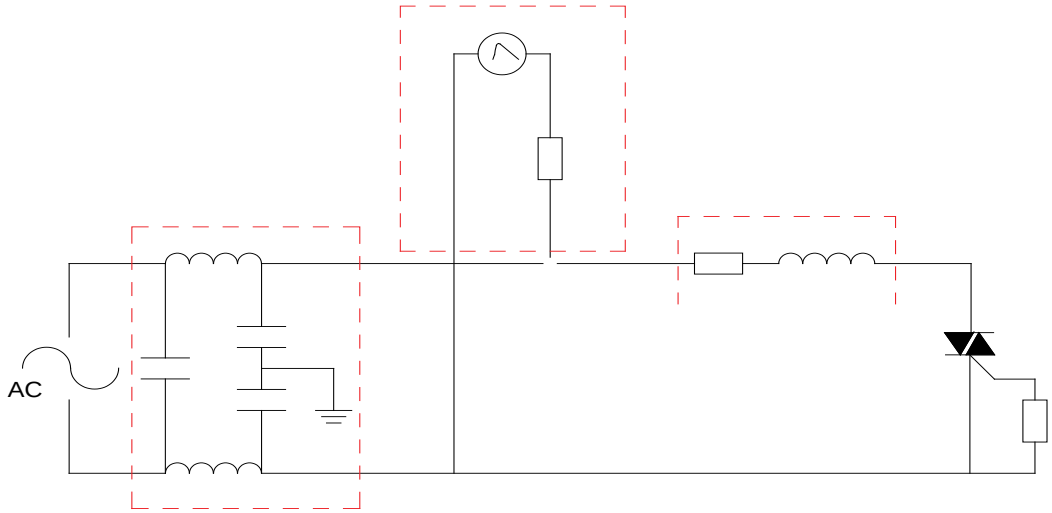
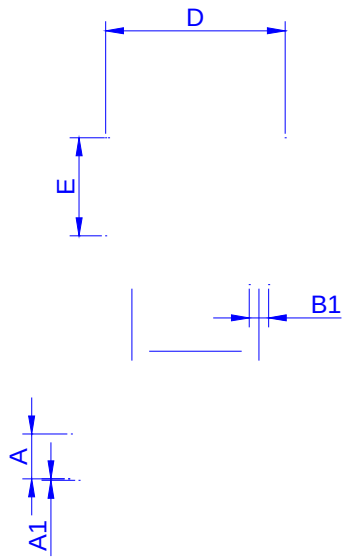


FIG.2: RMS on-state current versus case temperature

FIG.8 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H I- J K			
JST136W-600T	600	5	SOT-223-2L	4,000	Tape & Reel


D
E
B1
A
A1

	Dimensions	
Ref.	Millimeters	Inches
	Min 39.9d584.8105132 TdTncn 39.916.02.8105132 Td	

JST136W-600T **JieJie M**