



ELECTRICAL CHARACTERISTICS ( $T_j=25$  unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
$I_{GT}$	$V_D=12V$ $R_L=33$	ALL	MAX.	5	mA
$V_{GT}$		ALL	MAX.	1	V
$V_{GD}$	$V_D=V_{DRM}$ $T_j=125$ $R_L=3.3k$	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	$V_D=540V$ Gate Open $T_j=110$		MIN.	20	V/ $\mu s$
(dV/dt) <sub>c</sub>	(dI/dt) <sub>c</sub> =1.8A/ms, $T_j=110$		MIN.	1	V/ $\mu s$
$t_{on}$	$I_G=10mA$ $I_A=200mA$ $I_R=20mA$ $T_j=25$		TYP.	1	$\mu s$
$t_{off}$				12	

## STATIC CHARACTERISTICS

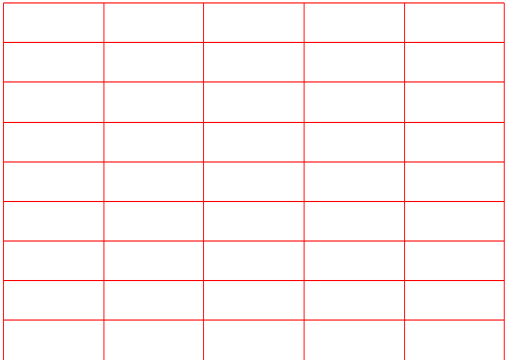
Symbol	Parameter		Value(MAX.)	Unit
$V_{TM}$	$I_{TM}=5A$ $t_p=380\mu s$	$T_j=25$	1.7	V
$V_{TO}$	Threshold voltage	$T_j=125$	0.94	V
$R_D$	Dynamic resistance	$T_j=125$	124	m
$I_{DRM}$	$V_D=V_{DRM}$ $V_R=V_{RRM}$	$T_j=25$	5	$\mu A$
$I_{RRM}$		$T_j=125$	0.4	mA

## THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
$R_{th(j-c)}$	junction to case (AC)	6.5	/W
$R_{th(j-a)}$	junction to ambient (AC)	150	/W



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



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

**JST136K-800T**

**JieJie M**



ORDERING INFORMATION


Order code	Voltage $V_{DRM}/V_{RRM}$ (V)	IGT(mA)	
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