ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	- -	MAX.	10	mA
				2 5	
V_{GT}		ALL	MAX.	1	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.	25	mA
				4 0	
I_H	I_T=100mA		MAX.	20	mA
dV/dt	V_D=400V Gate Open T_j=125		MIN.	250	V/μs
(dV/dt)c	(dI/dt)c=2A/ms, T_j=125		MIN.	5	V/μs
t_{on}	I_G=40mA I_A=200mA I_R=20mA T_j=25		TYP.	1.5	μs
t_{off}				15	

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM}=10A t_p=380μs	T_j=25	1 .6	V
V_{TO}	Threshold voltage	T_j=125	0 .86	V
R_D	Dynamic resistance	T_j=125	7 5	mΩ
I_{DRM}	V_D=V_{DRM} V_R=V_{RRM}	T_j=25	5	μA
I_{RRM}		T_j=125	0 .35	mA

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
$R_{th(j-c)}$	junction to case (AC)	5	/W
$R_{th(j-a)}$	junction to ambient (AC)	120	/W

JST137H-600EX

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

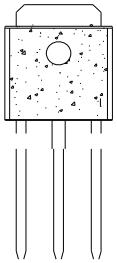
FIG.2: RMS on-state current versus case temperature

JST137H-600EX

ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)		Package	Base qty. (pcs)	Delivery mode
		-	-			
JST137H-600EX	600	10	25	TO-251	80	Tube

PACKAGE MECHANICAL DATA



Information furnished in this document is believed to be accurate and reliable. However, Jiangsu JieJie Microelectronics Co., Ltd assumes no responsibility for the consequences of use without consideration for such information nor use beyond it. Information mentioned in this document is subject to change without notice, apart from that when an agreement is signed, Jiangsu JieJie complies with the agreement.
Products and information provided in this document have no infringement of patents.
Jiangsu JieJie assumes no responsibilit ‘

nse® ş gree
rer