





(T<sub>j</sub>=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I <sub>GT</sub>	V <sub>D</sub> =12V R <sub>L</sub> =33	- -	MAX.	10	mA
				2 5	
V <sub>GT</sub>		ALL	MAX.	1	V
V <sub>GD</sub>	V <sub>D</sub> =V <sub>DRM</sub> T <sub>j</sub> =125 R <sub>L</sub> =3.3k	ALL	MIN.	0.2	V
I <sub>L</sub>	I <sub>G</sub> =1.2I <sub>GT</sub>	- -	MAX.	25	mA
				4 0	
I <sub>H</sub>	I <sub>T</sub> =100mA		MAX.	20	mA
dV/dt	V <sub>D</sub> =400V Gate Open T <sub>j</sub> =125		MIN.	250	V/μs
(dV/dt) <sub>c</sub>	(dI/dt) <sub>c</sub> =2A/ms, T <sub>j</sub> =125		MIN.	5	V/μs
t <sub>on</sub>	I <sub>G</sub> =40mA I <sub>A</sub> =200mA I <sub>R</sub> =20mA T <sub>j</sub> =25		TYP.	1.5	μs
t <sub>off</sub>				15	

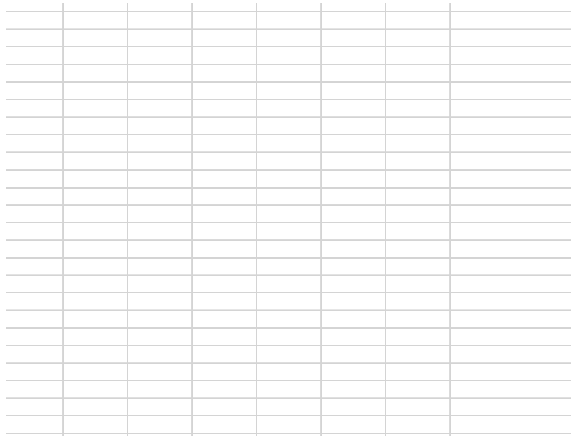
Symbol	Parameter		Value(MAX.)	Unit
V <sub>TM</sub>	I <sub>TM</sub> =10A t <sub>p</sub> =380μs	T <sub>j</sub> =25	1 .6	V
V <sub>TO</sub>	Threshold voltage	T <sub>j</sub> =125	0 .86	V
R <sub>D</sub>	Dynamic resistance	T <sub>j</sub> =125	7 5	m
I <sub>DRM</sub>	V <sub>D</sub> =V <sub>DRM</sub> V <sub>R</sub> =V <sub>RDM</sub>	T <sub>j</sub> =25	5	μA
I <sub>RDM</sub>		T <sub>j</sub> =125	0 .35	mA

Symbol	Parameter	Value	Unit
R <sub>th(j-c)</sub>	junction to case (AC)	5	/W
R <sub>th(j-a)</sub>	junction to ambient (AC)	120	/W

**JST137H-600EX**



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

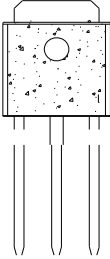


**FIG.2:** RMS on-state current versus case temperature

**JST137H-600EX**



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





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 responsibility

nse... gree  
rer