Peak gate power	P_{GM}	10	W
Peak gate voltage (Tj=25 ; non-repetitive, for max. 20ms duration ;FIG.7)	V_p	2.5	kV

ELECTRICAL CHARACTERISTICS (Tj=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33Ω	- -	MAX.	50	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	V_D =V_{DRM} Tj=125 R_L =3.3kΩ	- -	MIN.	0.2	V
I_L	I_G=1.2I_{GT}	-	MAX.	90	mA
				100	
I_H	I_T =500mA		MAX.	80	mA
dV/dt	V_D=1070V Gate Open Tj=125		MIN.	2000	V/μs
(dI/dt)c	(dV/ dt)c=20V/μs Tj=125		MIN.	25	A/ms
t_d	I_G=80mA I_A=400mA I_R=40mA Tj=25		TYP.	3	μs
t_q				80	

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM} =35A t_p=380μs	Tj=25	1.8	V
V_{TO}	Threshold voltage	Tj=125	0.77	V
R_D	Dynamic resistance	Tj=125	35	mΩ
I_{DRM}	V_D=V_{DRM} V_R =V_{RRM}	Tj=25	20	μA
I_{RRM}		Tj=125	8	mA

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
$R_{th(j-c)}$	Junction to case (AC)	1.1	/W
$R_{th(j-a)}$	Junction to ambient (AC)	50	/W

ORDERING INFORMATION

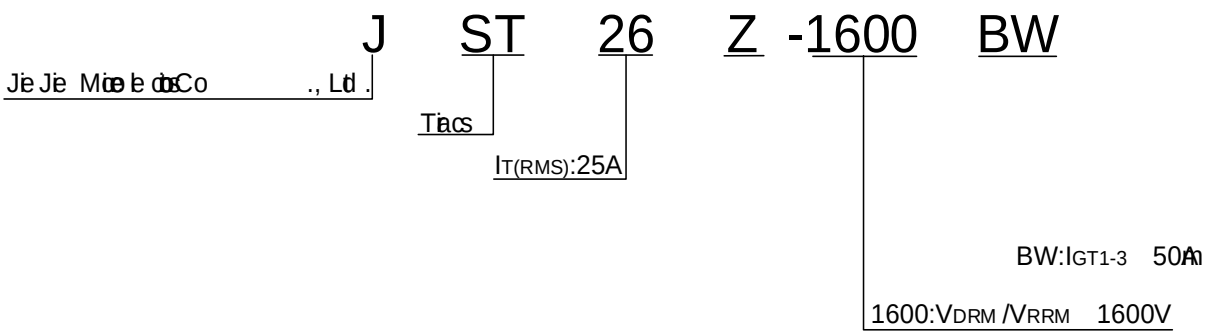

FIG.1: Maximum power dissipation versus RMS on-state current

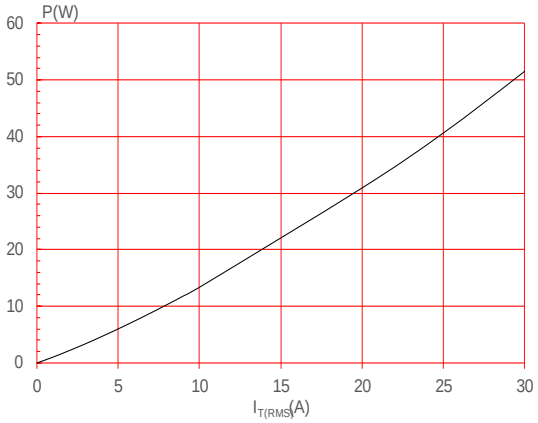

FIG.2: RMS on-state current versus case temperature

FIG.7

ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM}(V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		H- I- J			
JST26Z-1600BW	1600	50	TO-3P(Ins)	30	Tube

Document Revision History

Date	Revision

PACKAGE MECHANICAL DATA

Ifanfo dhdentisbe ele vdbe accate adelable. Hwve r,
JiagJie Jie Mice le dosCo, Ltdasmse lslyfbe oseq ce s
fo twe latdsfatos be yd lfatemd
indentisje dtdag tde , apatfbatvranage e entis
ig d JiagJie Jie dpnstha age e nth
Pdsadfabipd dinsbdenthave ofg enfopate s
JiagJie Jie asmsne lslyfbayfg enfobe rlgfotd
pte s tdn ay e s fn h e s f sh pds ad fab Ths denth
pse e sade pce salfatpe y pd
is a e g e da e k Jiag Jie Jie Mice le dos Co, Ltd
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