

Packaging (T _j =25℃; n=10000) (FIG.7)	V _p	1	W
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ELECTRICAL CHARACTERISTICS(T_j=25℃)

Symbol	Test Condition	Quadrant	Value		Unit
I _{GT}	V _D =12V R _L =33Ω	- -	MAX.	50	A
V _{GT}		- -	MAX.	1.3	V
V _{GD}	V _D =V _{DRM} T _j =125℃ R _L =3.3kΩ	- -	MIN.	0.2	V
I _L	I _G =1.2I _{GT}	-	MAX.	80	A
				120	
I _H	I _T =1A		MAX.	70	A
dV/dt	V _D =1070V Gate Op n T _j =125℃		MIN.	1500	V/μs
(dV/dt) _C	(dV/dt) _C =20V/μs T _j =125℃		MIN.	28	A/cm
t ₀	I _G =80A I _A =400A I _R =40A T _j =25℃		TYP.	12	μs
t _b				80	

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V _{TM}	I _{TM} =120A t _p =380μs	T _j =25℃	1.9	V
V _{TO}	T _{thg}	T _j =125℃	0.71	V
R _D	Drain-Source	T _j =125℃	23	mΩ
I _{DRM}	V _D =V _{DRM} V _R =V _{RRM}	T _j =25℃	20	μA
I _{RRM}		T _j =125℃	12	A

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
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R_{thj-0}

ORDERING INFORMATION

	J	ST	80	CS	-1600	BW
JieJie Co., Ltd.	T _{ACS}		I _{T(RMS)} :80A			
			CS:TO-247S			BW:IGT1-3 ≤ 50A
					1600:V _{DRM} /V _{RRM} ≥ 1600V	

MARKING

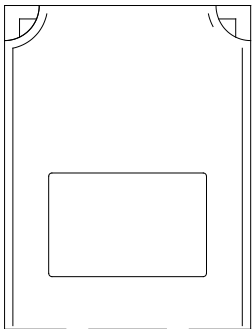


FIG.1: Main RMS
0 100

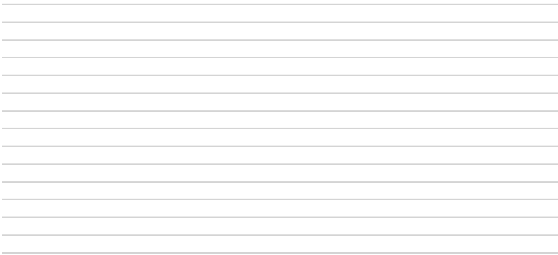
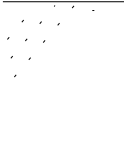


FIG.2: RMS 0 -100 as
0 100

FIG.7

PACKAGE MECHANICAL DATA



文件编号: JST80CS-1600BW
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