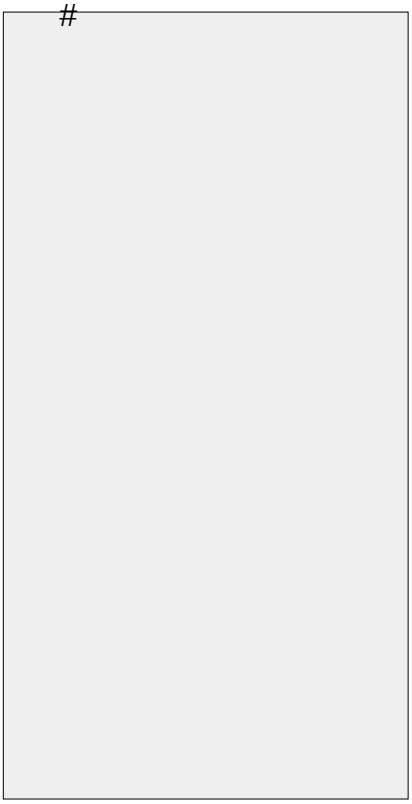
JCT1225F 25A SCR

Rev.A.1.1

DESCRIPTION:

With high ability to withst

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Peak gate current (t_p=20μs , T_j=125)	I_{GM}	5	A
Average gate power dissipation (T_j=125)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	20	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	1	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Value			Unit
		MIN.	TYP.	MAX.	
I_{GT}	V_D=12V R_L=33Ω	-	-	40	mA
V_{GT}		-	-	1	V
V_{GD}	V_D=V_{DRM} T_j=125 R_L=3.3kΩ	0.2	-	-	V
I_L	I_G=1.2I_{GT}	-	-	90	mA
I_H	I_T=500mA	-	-	80	mA
dV/dt	V_D=800V Gate Open T_j=125	1000	-	-	V/μs
t_{on}	I_G=50mA I_A=500mA I_R=50mA T_j=25	-	5	-	μs
t_{off}		-	70	-	

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
V_{TM}	I_{TM}=50A t_p=380μs	T_j=25	1.55	V
V_{TO}	Threshold voltage	T_j=125	0.74	V
R_D	Dynamic resistance	T_j=125	19	mΩ
I_{DRM}	V_D=V_{DRM} V_R=V_{RRM}	T_j=25	7	μA
I_{RRM}		T_j=125	2	mA

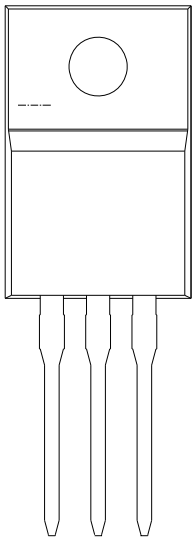
THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
$R_{th(j-c)}$	junction to case(DC)	2.05	/W
$R_{th(j-a)}$	junction to ambient (DC)	60	/W

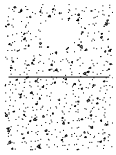
ORDERING INFORMATION

J	CT	12	25	F
JieJie Microelectronics Co.,Ltd.	SCRs	12:V_{DRM} /V_{RRM} ≥1200V	$I_{T(RMS)}$:25A	F:TO-220F(Ins)

MARKING



PACKAGE MECHANICAL DATA



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