JCT1266

Peak gate current (t_p=20 s , T_j=125)	I_{GM}	10	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}	0.5	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Value			Unit
		MIN.	TYP.	MAX.	
I_{GT}	V_D=12V R_L=33	-	-	40	mA
V_{GT}		-	-	1	V
V_{GD}	V_D=V_{DRM} T_j=125 R $_L$=3.3k	0.25	-	-	V
I_L	I_G=1.2I_{GT}	-	-	120	mA
I_H	I_T=1A	-	-	100	mA
dV/dt	V_D=800V Gate Open T_j=125	1500	-	-	V s
t_{on}	I_G=100mA I_A=1A I_R=100mA T_j=25	-	5	-	s
t_{off}		-	70	-	

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX .)	Unit
V_{TM}	I_{TM}=60A t_p=380 s	T_j=25	1.55	V
V_{TO}	Threshold voltage	T_j=125	0.76	V
R_D	Dynamic resistance	T_j=125	15	P
I_{DRM}	V_D=V_{DRM} V_R=V_{RRM}	T_j=25	8	A
I_{RRM}		T_j=125	3	mA

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
$R_{th(j-c)}$	junction to case (DC)	2	/W
$R_{th(j-a)}$	junction to ambient (DC)	60	/W

ORDERING INFORMATION

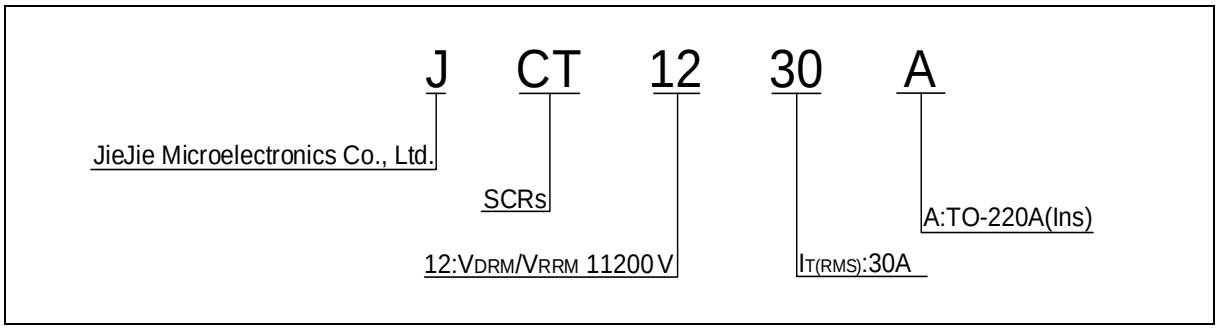


FIG.1: Maximum power dissipation versus RMS on-state current

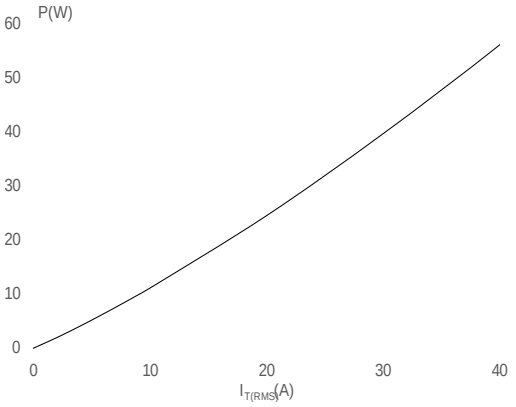


FIG.2: RMS on-state current versus case temperature

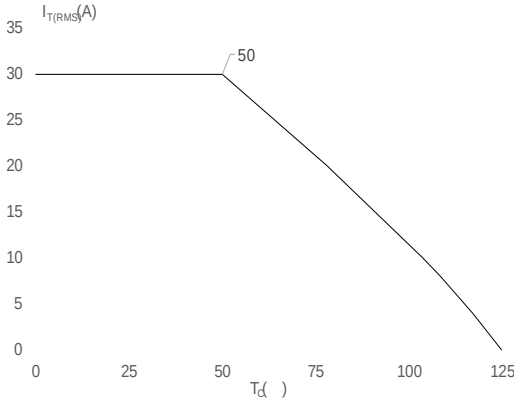


FIG.3: Surge peak on-state current versus number of cycles

FIG.4: On-state characteristics

ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
JCT1230A	1200	40	TO-220A(Ins)	50	Tube

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