JCT1690CS 90A SCR

Rev.A.1.1

DESCRIPTION:

With high ability to withstand the shock loading of large current, JCT1690CS SCR provides high dV/dt rate with strong resistance to electromagnetic interference. It is especially recommended for use on solid state relay, UPS, SVC, power charger, T-tools etc. Package TO-247S is RoHS compliant.

Average gate power dissipation (T_j=125)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	22	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	1.1	kV

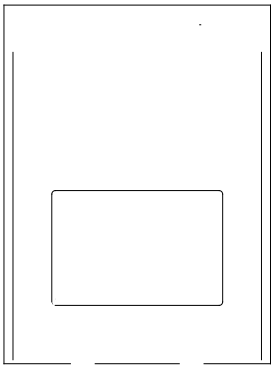
ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Value			Unit
		MIN.	TYP.	MAX.	
I_{GT}	V_D=12V R_L=33Ω	10	-	80	mA
V_{GT}		-	-	1.3	V
V_{GD}	V_D=V_{DRM} T_j=125 R_L=3.3kΩ	0.25	-	-	V
I_L	I_G=1.2I_{GT}	-	-	250	mA
I_H	I_T=1A	-	-	150	mA
dV/dt	V_D=1070V Gate Open T_j=125	2000	-	-	V/μs
t_{on}	I_G=100mA I_A=1A I_R=100mA T_j=25	-	7	-	μs

ORDERING INFORMATION

J	CT	16	90	CS
JieJie Microelectronics Co., Ltd.	SCRs	16:V_{DRM}/V_{RRM} 1600V	$I_{T(RMS)}$:90A	CS:TO-247S

MARKING



JCT1690CS

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