



JCT151C-650RH 12A SCR

Rev.A.1.1

DESCRIPTION:

With high ability to withstand the shock loading
of large current, JCT151C-650RH of silicon controlled
rectifiers provides high dV

$I_j=150\text{ }\mu\text{A}$	$P_{G(AV)}$	1	W
	f_{GM}	10	W
$I_j=25\text{ }\mu\text{A}$; non-repetitive,off-state;FIG.7)	V_{pp}	0.7	kV

JieJie Microelectronics Co., Ltd.

ELECTRICAL CHARACTERISTICS (T_j=25℃ unless otherwise specified)

Symbol	Test Condition	Value			Unit
		MIN.	TYP.	MAX.	
I_{GT}	$V_D=12V\ R_L=33\Omega$	-	-	15	mA

$V_{GT} \leq 0.012V$ $C_{iss} \leq 5.2pF$ $t_{on} \leq 10\mu s$ $-M1 < MCl.16$ $(f_{osc} \leq 0.012MHz)$ $f_{re} \leq 0.522MHz$ $r_{DS(on)} \leq 9m\Omega$ $-MV \leq 5.36V$ $(t_{on} \leq 10\mu s, t_{off} \leq 0.007\mu s, T_w \leq 788\mu s, r_{DS(on)} \leq 0.48m\Omega)$

ORDERING INFORMATION

<u>J</u>	<u>CT</u>	<u>151</u>	<u>C</u>	<u>-650R</u>	<u>H</u>
JieJie Microelectronics Co., Ltd.	SCRs	$I_{T(RMS)}:12A$	C:TO-220C	650R: V_{DRM}/V_{RRM} 650V	High junction temperature

MARKING

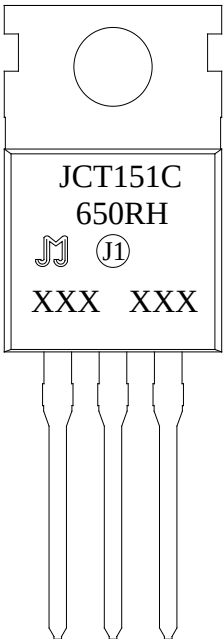
 Diagram showing the marking on the JCT151C-650RH package. The marking includes the part number JCT151C 650RH, the JieJie logo (J), the TO-220 package symbol (J1), and the production code XXX XXX.	Diagram showing the marking on the JCT151C-650RH package. The marking includes the part number JCT151C 650RH, the JieJie logo (J), the TO-220 package symbol (J1), and the production code XXX XXX. Year <u>XXX</u> <u>XXX</u> Production Code Month
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FIG.1: Maximum power dissipation versus RMS on-state current

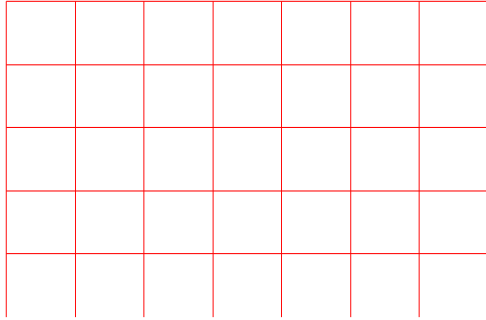
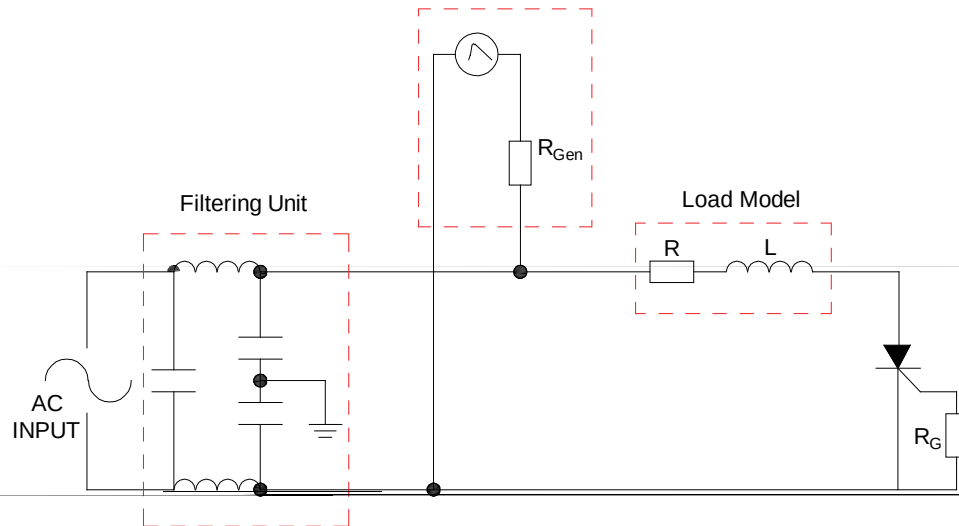


FIG.2: RMS on-state current versus case temperature

FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards.

IEC61000-4-5 Standards
Surge Generator

JCT151C-650RH

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