

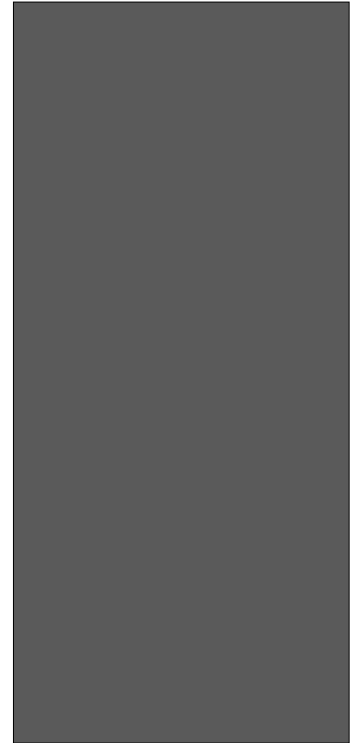


**JCT151F-650RH 12A SCR**

Rev.A.1.1

## DESCRIPTION:

With high ability to withstand the shock loading of large current, JCT151F-650RH of silicon controlled rectifiers provides high dV/dt rate wi



**JCT151F-650RH**



**JieJie Microelectronics Co., Ltd.**

---

Average gate power dissipation ( $T_j=150$  )  $P_{G(AV)}$

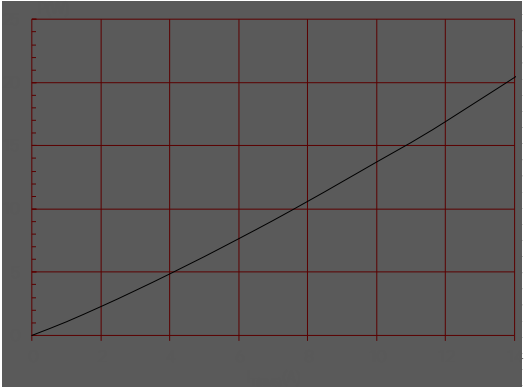


**ORDERING INFORMATION**

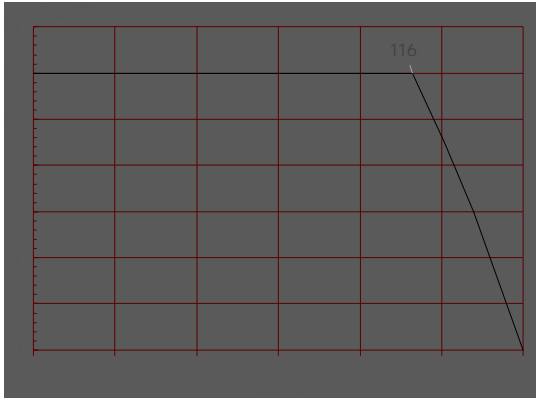
J    CT    151    F    -650R    H  
JieJie Microelectronics Co., Ltd.    SCRs

650R:V

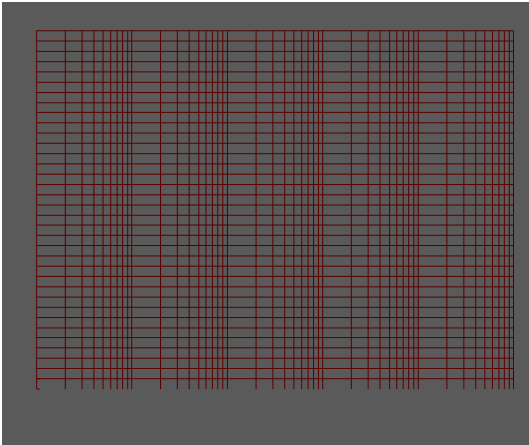
**FIG.1:** Maximum power dissipation versus RMS on-state current



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

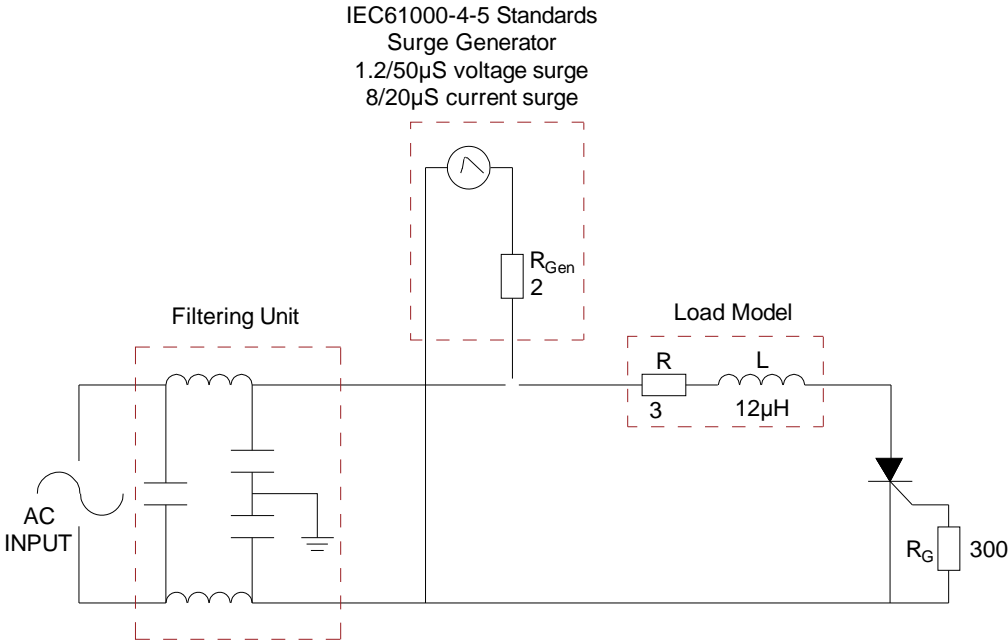


**FIG.3:** Surge peak on-state current versus number of cycles



**FIG.4:** On-state characteristics

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



**ORDERING INFORMATION**

<b>Order code</b>	<b>Voltage <math>V_{DRM}/V_{RRM}</math> (V)</b>	<b>IGT(mA)</b>	<b>Package</b>	<b>Base qty. (pcs)</b>	<b>Delivery mode</b>
JCT151F-650RH	650	15	TO-220F(Ins)	50	Tube


**Document Revision History**

<b>Date</b>	<b>Revision</b>	<b>Changes</b>
Aug.22, 2025	A.1.0	Last update
Oct.10, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA





Information furnished in this document is believed to be accurate and reliable. However, Jiangsu JieJie Microelectronics Co., Ltd. assumes no responsibility for the consequences of use without consideration for such information nor use beyond it. Information mentioned in this document is subject to change without notice, apart from that when an agreement is signed, Jiangsu JieJie complies with the agreement. Products and information provided in this document have no infringement of patents. Jiangsu JieJie assumes no responsibility for any infringement of other rights of third parties which may result from the use of such products and information. This document supersedes and replaces all information previously supplied.

 is a registered trademark of Jiangsu JieJie Microelectronics Co., Ltd. Copyright © 2025 Jiangsu JieJie Microelectronics Co., Ltd. All rights reserved.