



## DESCRIPTION:

The JX040Q SCR provides high dV/dt rate with strong resistance to electromagnetic interface. It is especially recommended for use on residual current circuit breaker, straight hair, igniter etc. Package TO-126 is RoHS compliant.

## MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	4	A
$V_{DRM} / V_{RRM}$	600	V
$I_{GT}$	200	$\mu A$

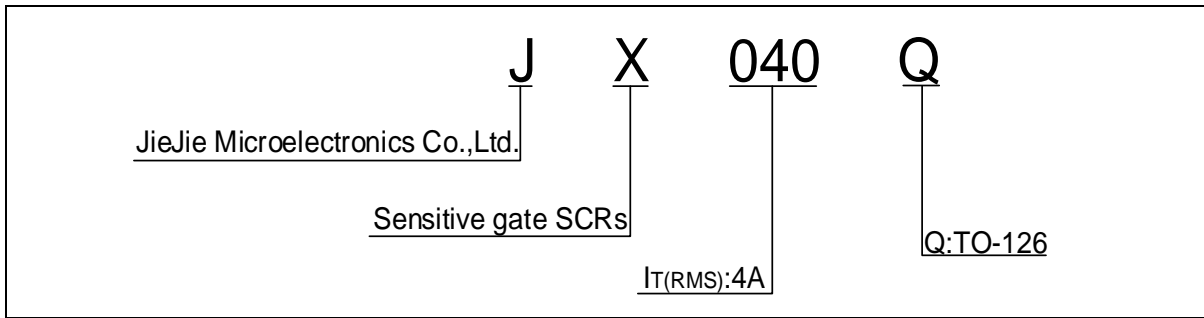
## ABSOLUTE MAXIMUM RATINGS

Storage junction temperature range	$T_{stg}$	-40-150	$^{\circ}C$
Operating junction temperature range	$T_j$	-40-125 <sup>①</sup>	$^{\circ}C$
Repetitive peak off-state voltage ( $T_j=25^{\circ}C$ )	$V_{DRM}$	600	V
Repetitive peak reverse voltage ( $T_j=25^{\circ}C$ )	$V_{RRM}$	600	V
Average on-state current ( $T_c \leq 84^{\circ}C$ )	$I_{T(AV)}$	2.5	A
RMS on-state current ( $T_c \leq 84^{\circ}C$ )	$I_{T(RMS)}$	4	A
Non repetitive surge x 5 )			

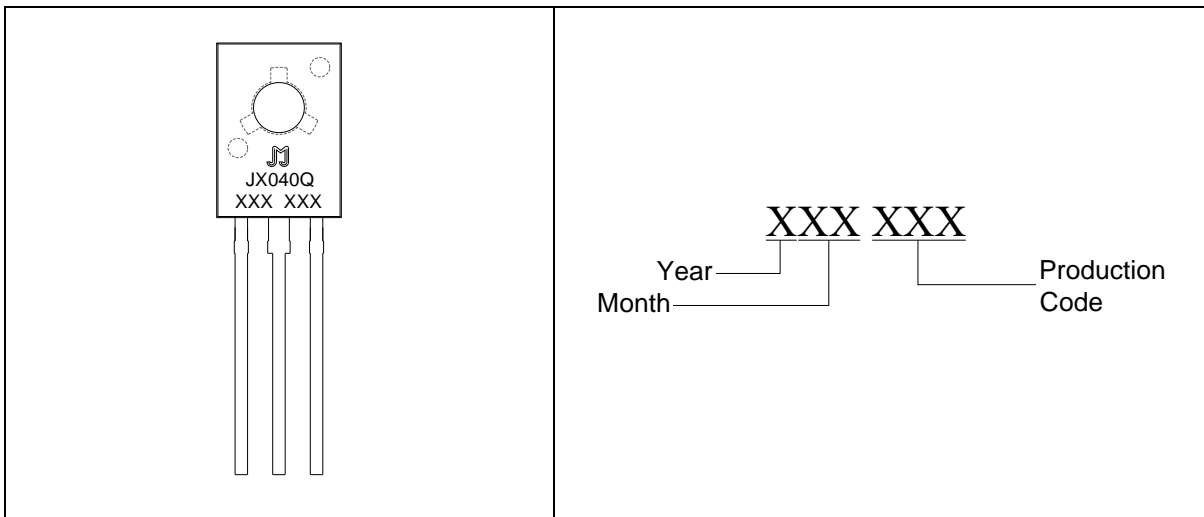




## ORDERING INFORMATION

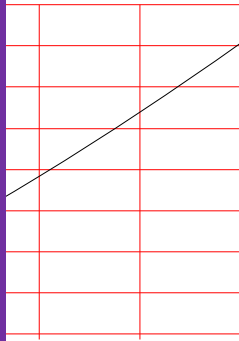


## MARKING

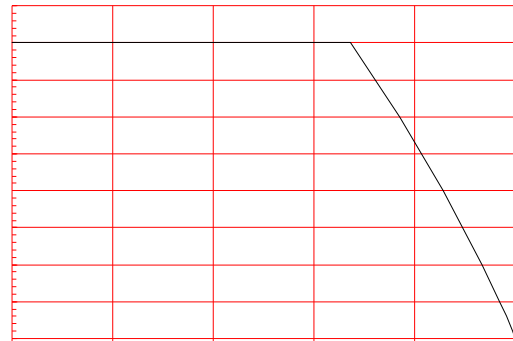




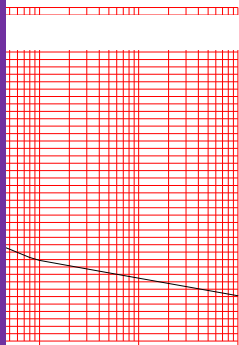
dissipation versus



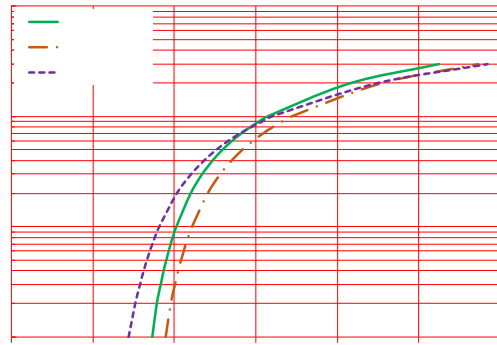
RMS on-state current versus case temperature



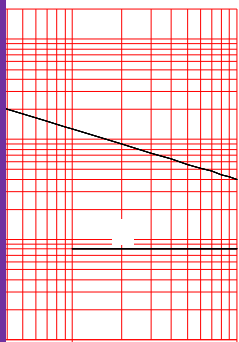
ate current versus



On-state characteristics



arge peak on-state pulse with width  
ding value of  $I^2t$



Relative variations of gate trigger current,  
holding current and latching current versus  
junction temperature





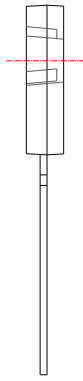
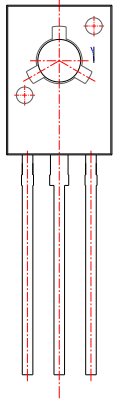


TEL



---


## 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 ©2023 Jiangsu JieJie Microelectronics Co., Ltd. Printed All rights reserved.