

JR0405K 4A SCR

Rev.A.1.1

DESCRIPTION:

The JR0405K SCR with the parallel resistor between Gate and Cathode, R_{GK} a $N \dot{E}$ is especially recommended for use on straight hair, igniter, anion generator, etc. Package TO-252 is RoHS compliant.

MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	4	A

V_{DRM}/V_0 T_c 0 T_w 545.76 0.4w545.76 0S5(.)-c.4 95.16 505.32 T_m (DRM) T_j 076 9>BDC 12 0 02

Peak gate power	P_{GM}	5	W
Peak pulse voltage ($T_j=25^\circ\text{C}$; non-repetitive, off-state; FIG.8)	V_{pp}	0.5	kV

NOTE 1: Operating junction temperature T_j is up to 125°C when a resistor "1k" is connected between Gate and Cathode. Without this resistor, the T_j is up to 110°C

ORDERING INFORMATION

<u>J</u>	<u>R</u>	<u>04</u>	<u>05</u>	<u>K</u>	<u>-/</u>
JieJie Microelectronics Co., Ltd.					Blank:Tube -TR:Tape & Reel
	Sensitive gate SCRs				K:TO-252
		$I_{T(RMS)}:4A$			
			05: I_{GT} 200 A		

MARKING

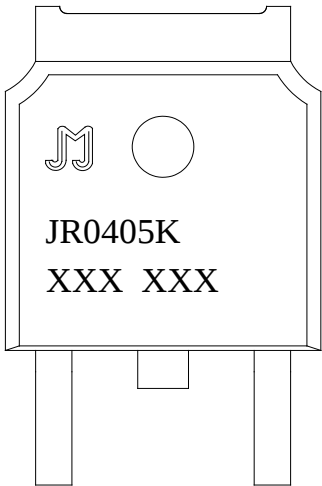
	XXX XXX Year _____ Month _____ Production Code
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FIG.1: Maximum power dissipation versus RMS on-state current

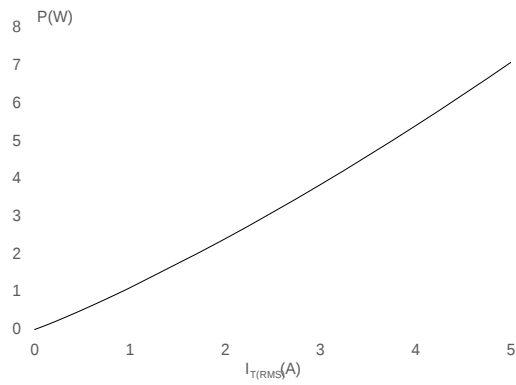
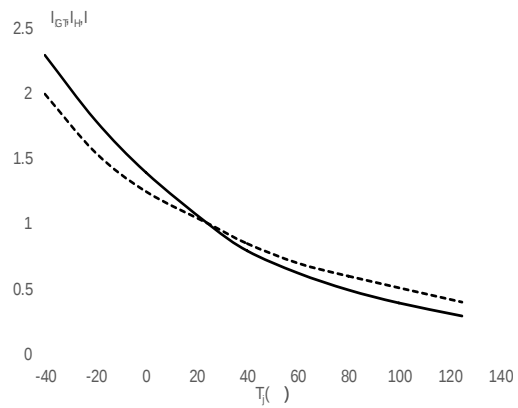


FIG.2: RMS on-state current versus case temperature

FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature



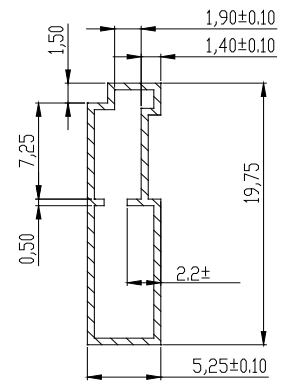
ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(μA)	Package	Base qty. (pcs)	Delivery mode
JR0405K	600	≤ 200	TO-252	80	Tube
JR0405K-TR				2,500	Tape & Reel

Document Revision History

Date	Revision	Changes
Apr.10, 2023	A.1.0	Last update
Oct.22, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

DELIVERY MODE



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