JR0405K 4A SCR

Rev.A.1.1

DESCRIPTION:

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

MAIN FEATURES

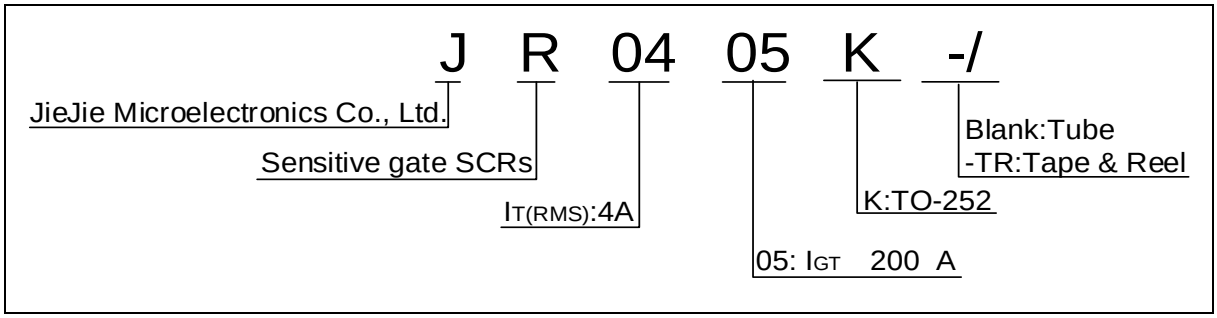
Symbol	Value	Unit
$I_{T(RMS)}$	4	A

V_{DRM}/V 0 Tc 0 Tw545.76 0.4w545.76 0S5(.)-c.4 95.16 505.32 Tm (DRM)Tj 076 9>BDC 12 0 02

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

NOTE 1: Operating junction temperature T_j is up to 125 when a resistor "1k is connected between Gate and Cathode. Without this resistor, the T_j is up to 110 onl.2 .2(s).2.w 0.m9O202(s). 0 Tw 6.96 0 0 2.02

ORDERING INFORMATION



MARKING

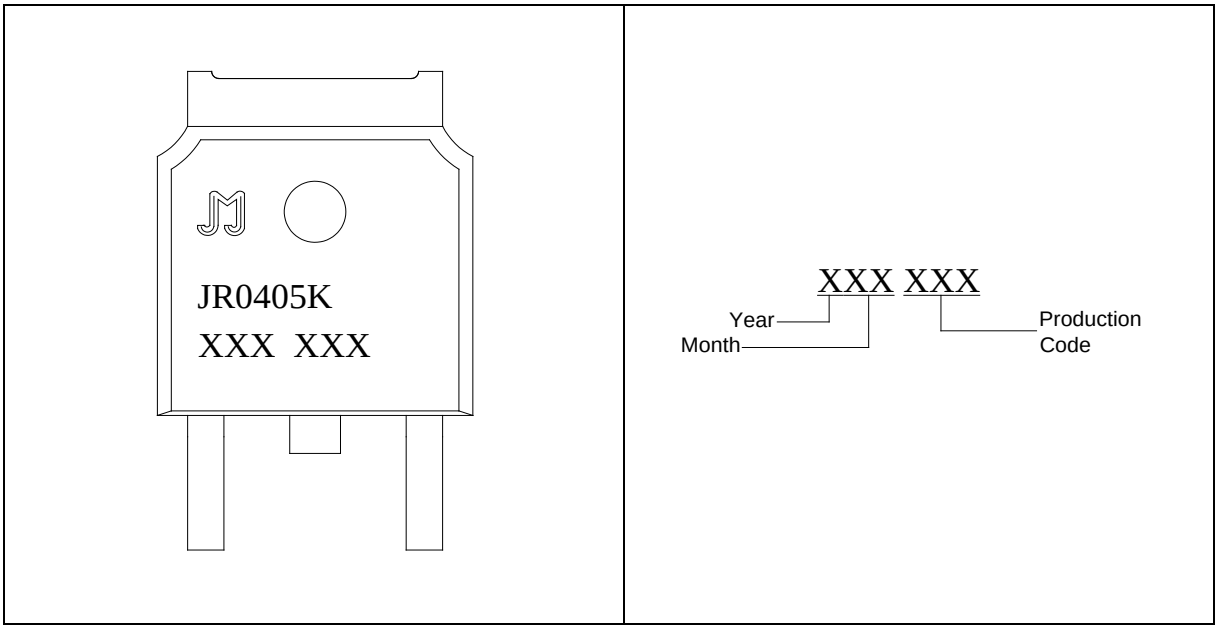


FIG.1: Maximum power dissipation versus RMS on-state current

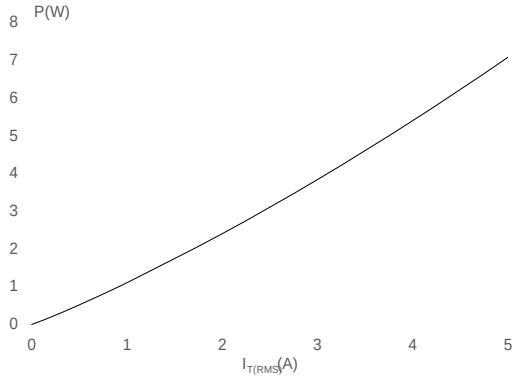
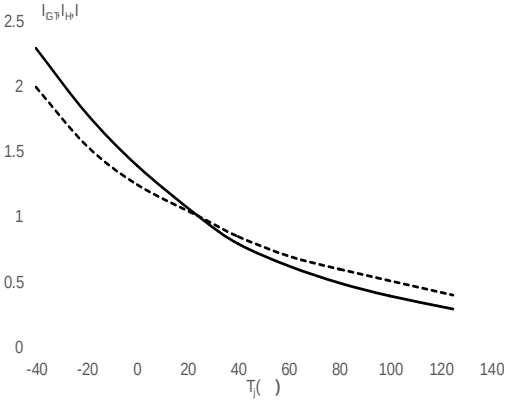


FIG.2: RMS on-state current versus case temperature

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



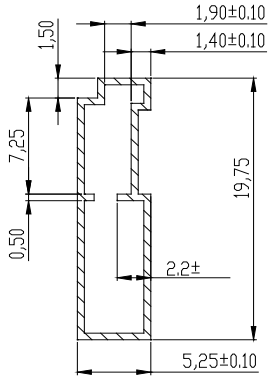
ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{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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