



JR0405Q

4A SCR

Rev.A.1.0

DESCRIPTION:

The JR0405Q SCR with the parallel resistor between Gate and Cathode, $R_{GK}=10\sim80k\Omega$ is especially recommended for use on straight hair, igniter, anion generator, 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	μA

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	

Peak gate power	P_{GM}	5	W
Peak pulse voltage ($T_j=25$; non-repetitive,off-state;FIG.7)	V_{pp}	0.5	kV

NOTE 1: Operating junction temperature T_j is up to 125 when a resistor $\leq 1k\Omega$ is connected between Gate and Cathode. Without this resistor, the T_j is up to 110 only.

ELECTRICAL CHARACTERISTICS ($T_j=25$ unless otherwise specified)

Symbol	Test Condition	Value	Unit
--------	----------------	-------	------

ORDERING INFORMATION

J	R	04	05	Q
Microelectronics Co., Ltd.				
	Sensitive gate SCRs			Q:TO-126
	IT(RMS):4A			
			05: IGT	200A

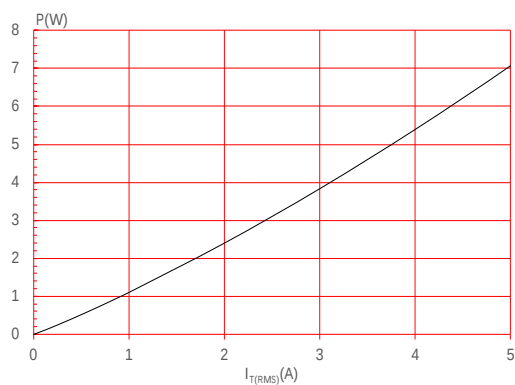
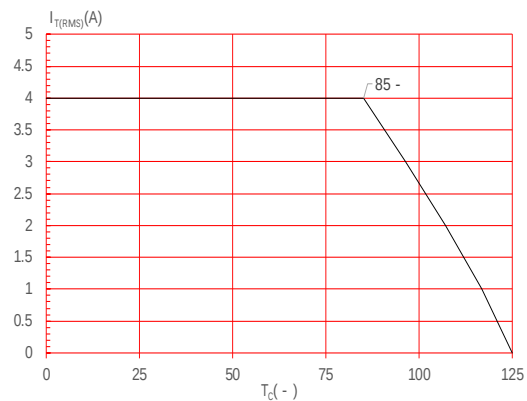
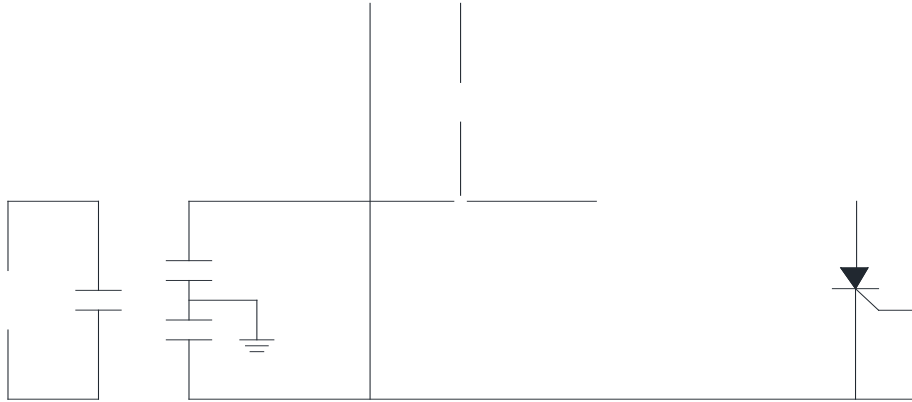
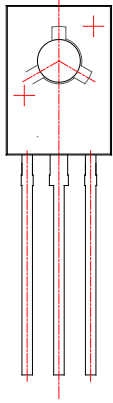
FIG.1: Maximum power dissipation versus RMS on-state current**FIG.3:** Surge peak on-state current versus number of cycles**FIG.2:** RMS on-state current versus case temperature**FIG.4:** On-state characteristics

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



JR0405Q

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.