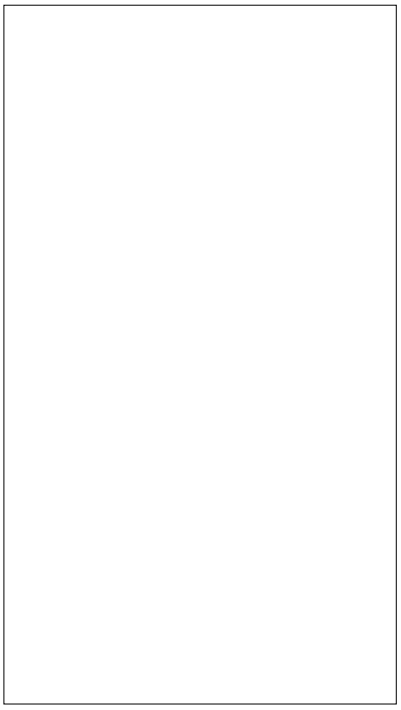
JCT616H 16A SCR

Rev.A.1.1

With high ability to withstand the shock loading of large current, JCT616H of silicon controlled rectifiers provides high dV/dt rate with strong resistance to electromagnetic interference. It is especially recommended for use on solid state relay, motorcycle, power charger, T-tools etc.
Package TO-251 is RoHS compliant.



Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating junction temperature range	T_j	-40-125	

Average gate power dissipation (T_j=125)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	20	W

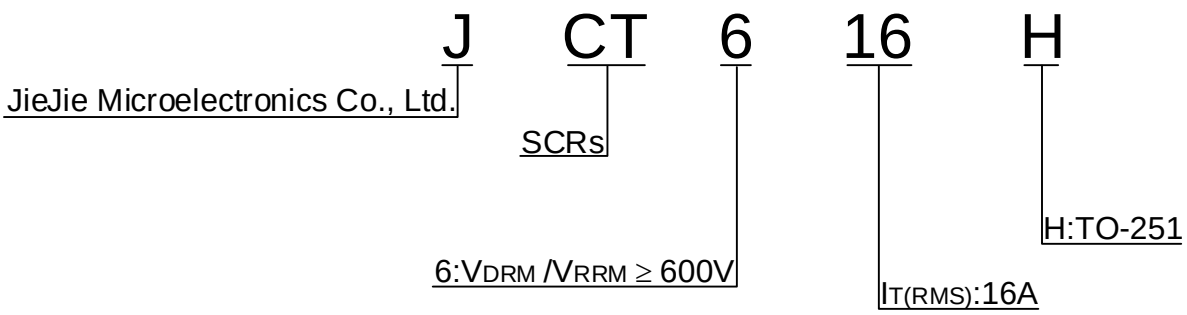

J
CT
6
16
H
JieJie Microelectronics Co., Ltd.
SCRs
6:VDRM /VRRM ≥ 600V
IT(RMS):16A
H:TO-251

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

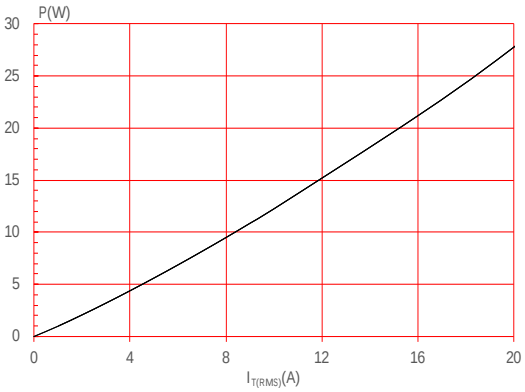
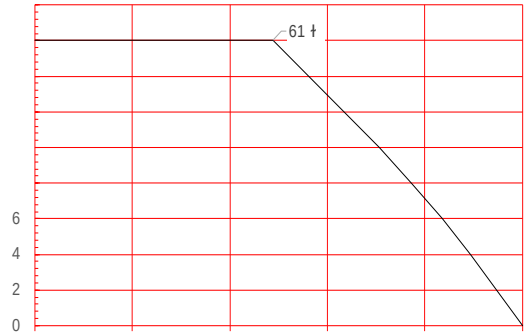


FIG.2: RMS on-state current versus case temperature



Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
JCT616H	600	15	TO-251	80	Tube

Document Revision History

Date	Revision	Changes
Apr.13, 2023	A. .0	Last update
Oct.16, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA