



JCT612AH 12A SCR

DESCRIPTION:

With high ability to withstand the shock loading of large current, JCT612AH 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. From all three terminals to external heatsink, JCT612AH provides a rated insulation voltage of 2500 V_{RMS} , complying with UL standards (File ref: E252906). Package TO-220A is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol
Storage junction temperature range	T_{stg}
Operating junction temperature range	T_j
Repetitive peak off-state voltage (T_j	

0-150

junction temperature T_j , FE -7 (M)) T_j Vperatuw 12 0 0 12 363.3



Average gate power dissipation ($T_j=150$)	$P_{G(AV)}$	1	W
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JieJie Microelectronics Co., Ltd.

J CT 6 12 A H

SCRs

6:V_{DRM}/V_{RRM} 1600V

IT(RMS):12A

A:TO-220A(Ins)

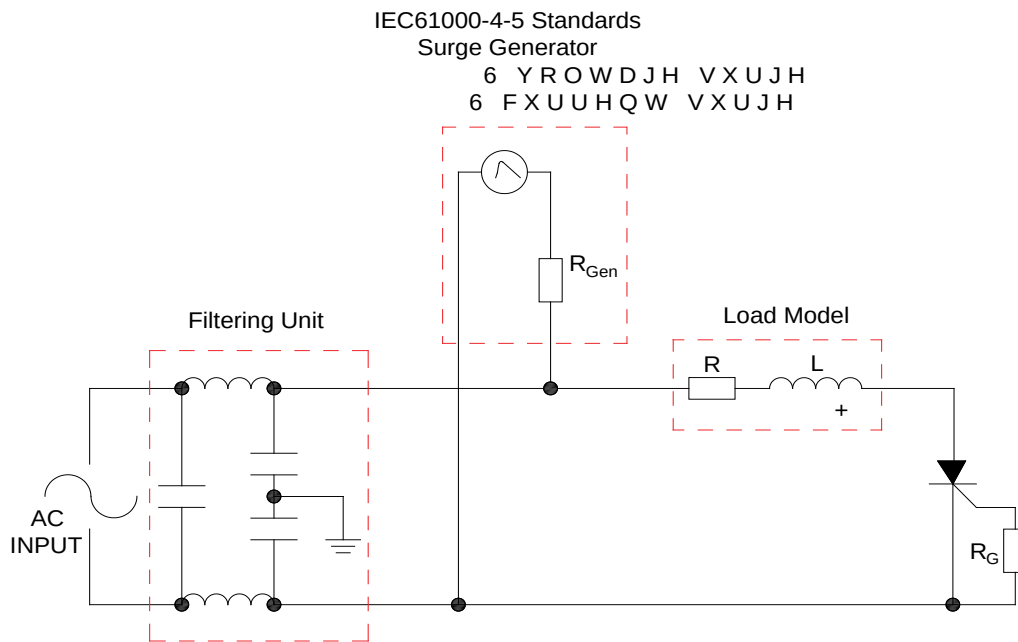
High junction temperature

0.0171433 MARKINGHX2807 SS0 CS 0 SCN 0 w 2 J 0 0 m 4282 0 I S Q q 0.0S0 454 0 0 -0.01

JCT612AH

JieJie M

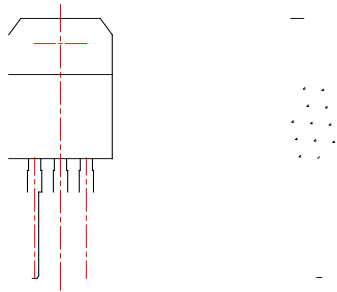
FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards.



LEAD FORMING AND SOLDERING

Refer to the application note “Assembly Instructions for Thyristors in Through-hole Package” released by JieJie Microelectronics

PACKAGE MECHANICAL DATA



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