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

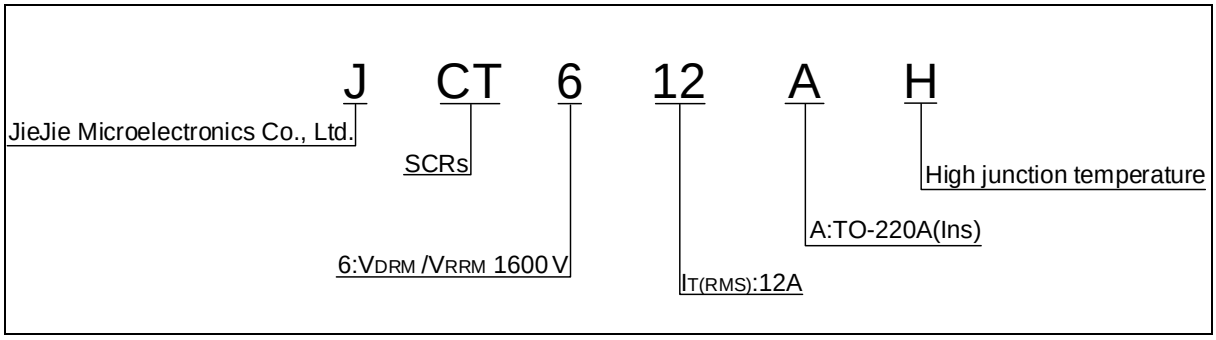
ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	
Storage junction temperature range	T_{stg}	
Operating junction temperature range	T_j	0-150
Repetitive peak off-state voltage (T_j		

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Average gate power dissipation (T_j=150)	$P_{G(AV)}$	1	W

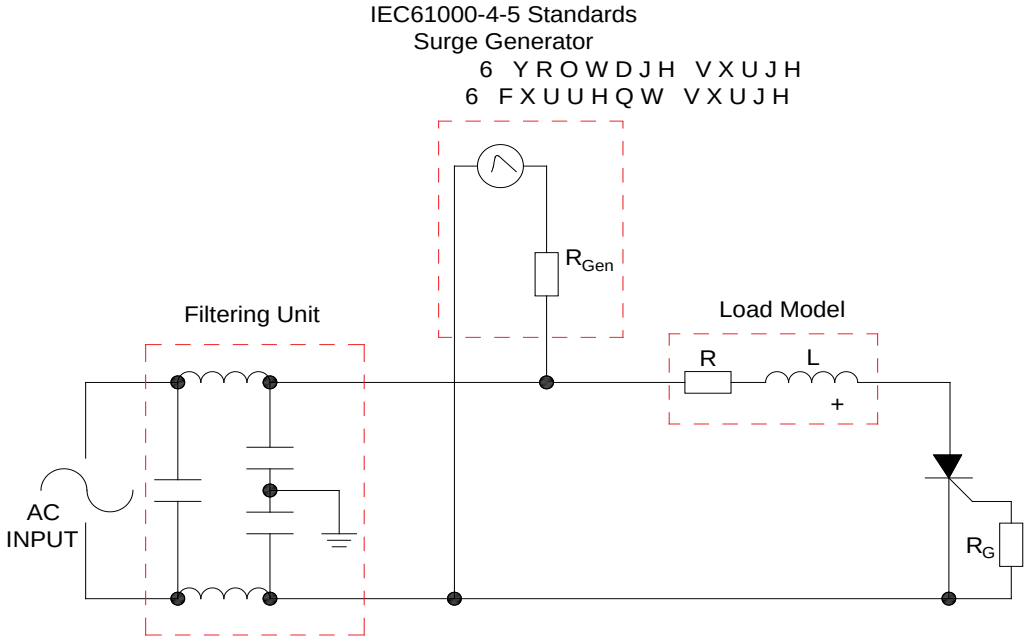
ORDERING INFORMATION



MARKING

JCT612AH Jie Jie M

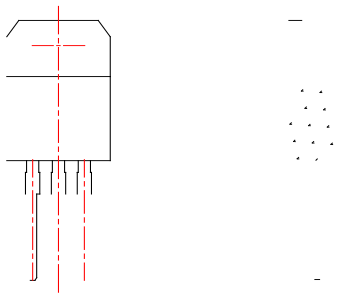
FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards.



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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