

**JCT1240A 40A SCR**

Rev.A.1.1

DESCRIPTION:

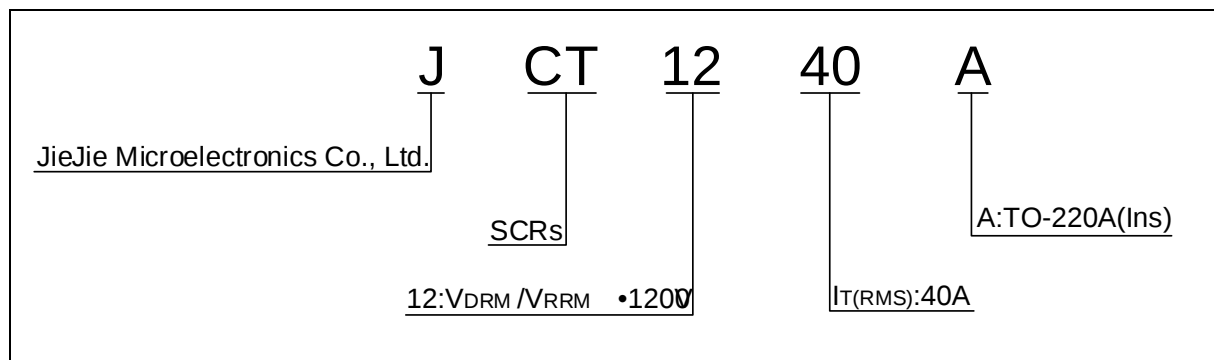
With high ability to withstand the shock loading of large current, JCT1240A SCR provides high dV/dt rate with strong resistance to electromagnetic interference. It is especially recommended for use on solid state relay, motorcycle, power charger, T-tools etc. From all three terminals to external heatsink, JCT1240A 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	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating junction temperature range	T_j	-40-125	
Repetitive peak off-state voltage ($T_j=25^\circ C$)	V_{DRM}	1200	V
Repetitive peak reverse voltage ($T_j=25^\circ C$)	V_{RRM}	1200	V
Average on-state current ($T_c \leq 71^\circ C$)	$I_{T(AV)}$	25	A
RMS on-state current ($T_c \leq 71^\circ C$)	$I_{T(RMS)}$	40	A
Non repetitive surge peak on-state current ($t_p=10ms, T_j=25^\circ C$)	I_{TSM}	500	A
Non repetitive surge peak on-state current ($t_p=8.3ms, T_j=25^\circ C$)		540	

 I^2

ORDERING INFORMATION



MARKING

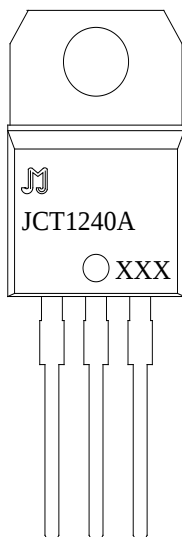
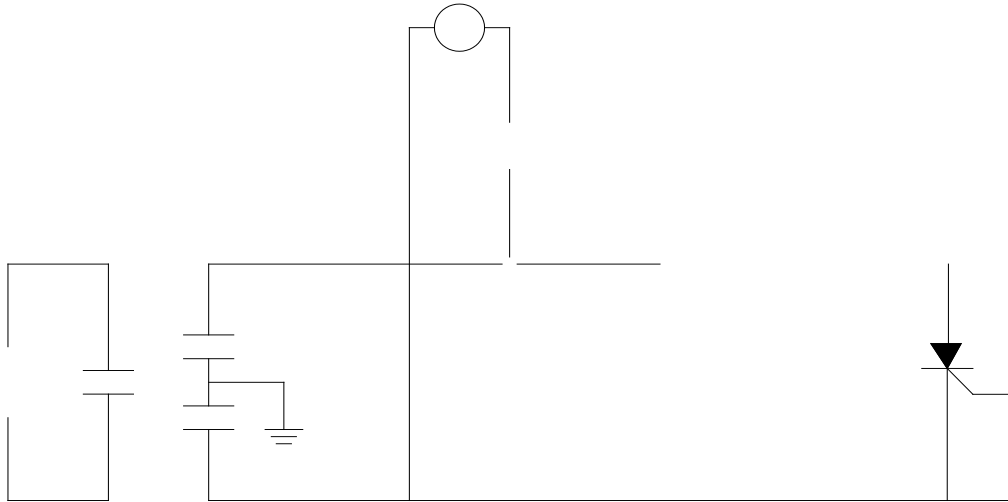


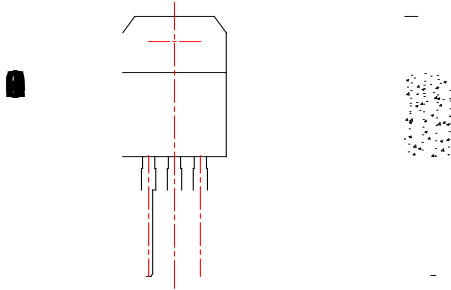
FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards.



JCT1240A

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PACKAGE MECHANICAL DATA ■ DELIVERY MODE



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