

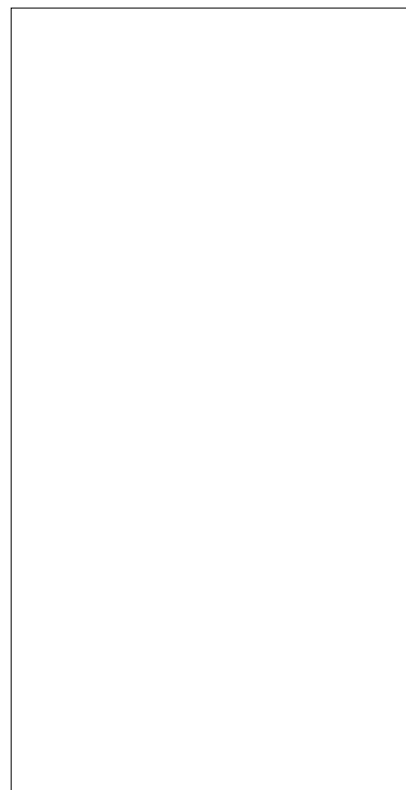


## JCT1240A 40A SCR

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

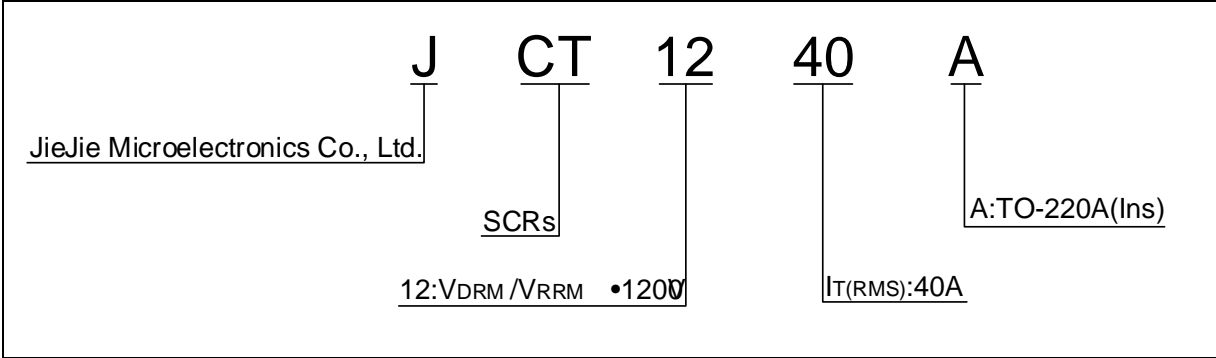
### ABSOLUTE MAXIMUM RATINGS

| 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 ( $T_c = 71^\circ C$ )                            | $I_{T(AV)}$  | 25      | A    |
| RMS on-state current ( $T_c = 71^\circ C$ )                                | $I_{T(RMS)}$ | 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

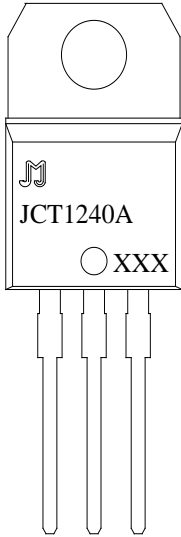
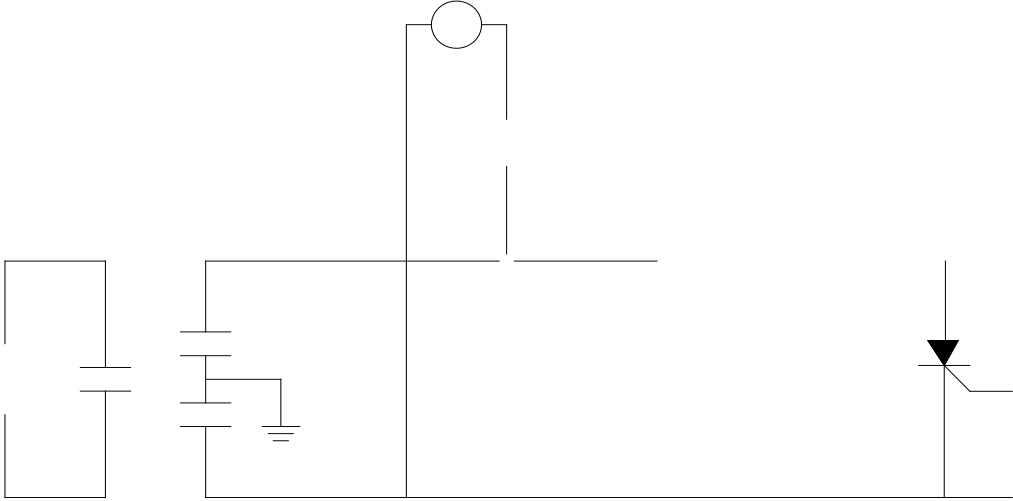




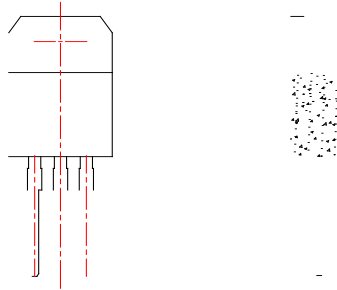
FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards.



**JCT1240A**

**Jie**

PACKAGE MECHANICAL DATA



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