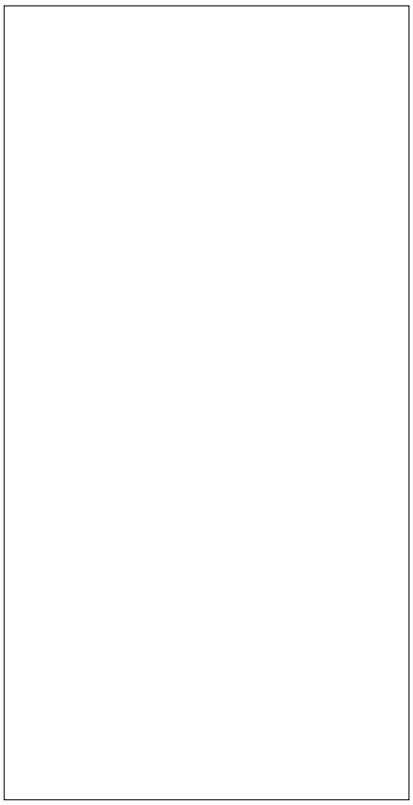
JCT840AH 40A SCR

Rev.A.1.1

## DESCRIPTION:

With high ability to withstand the shock loading of large current, JCT840AH 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,JCT840AH 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 |
|---|---|

| | | | |
|---|---|---|---|
| Peak gate current ($t_p$=20 s , $T_j$=150 ) | $I_{GM}$ | 10 | A |
| Average gate power dissipation ($T_j$=150 ) | $P_{G(AV)}$ | 1 | W |
| Peak gate power | $P_{GM}$ | 20 | W |
| Peak pulse voltage ($T_j$=25 ; non-repetitive,off-state;FIG.7) | $V_{pp}$ | 0.5 | kV |

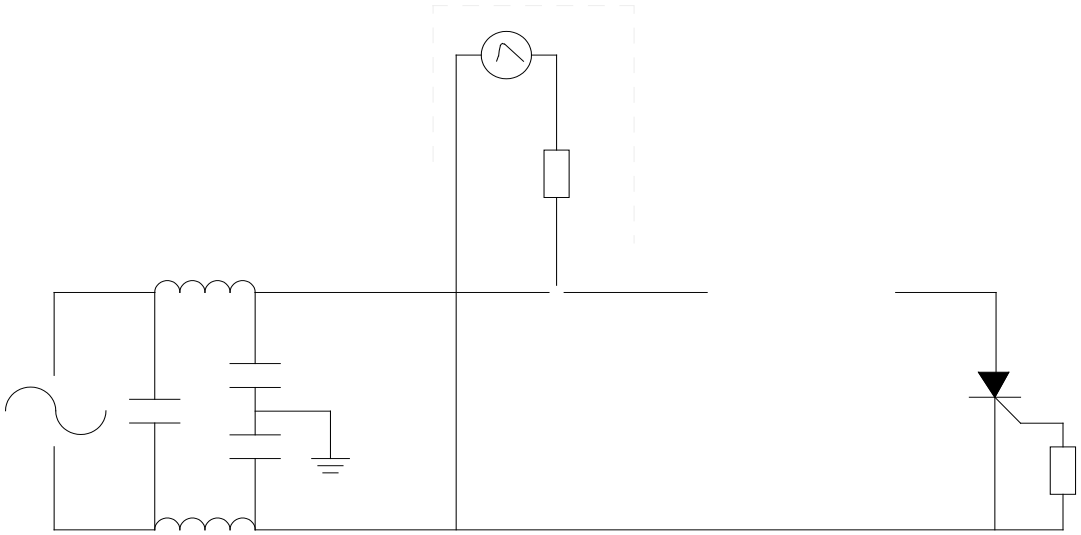
## ORDERING INFORMATION

J CT 8 40 A H

JieJie Microelectronics Co., Ltd.

L.com

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



## ORDERING INFORMATION

| Order code | Voltage $V_{DRM}/V_{RRM}$ (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|---|---|---|---|---|---|
| JCT840AH | 800 | 35 | TO-220A(Ins) | 50 | Tube |

Document Revision History

| Date | Revision | Changes |
|---|---|---|
| Jun.15, 2023 | A.1.0 | Last update |
| Oct.11, 2025 | A.1.1 | Revise PACKAGE MECHANICAL DATA |

Information furnished in this document is believed to be accurate and reliable. However, Jiangsu JieJie Microelectronics Co., Ltd. assumes no responsibility for the consequences of use without consideration for such information nor use beyond it. Information mentioned in this document is subject to change without notice, apart from that when an agreement is signed, Jiangsu JieJie complies with the agreement. Products and information provided in this document have no infringement of patents. Jiangsu JieJie assumes no responsibility for any infringement of other rights of third parties which may result from the use of such products and information. This document supersedes and replaces all information previously supplied.

is a registered trademark of Jiangsu JieJie Microelectronics Co., Ltd.

Copyright © 2025 Jiangsu JieJie Microelectronics Co., Ltd. All rights reserved.