## JCT1230C 30A SCR

Rev.A.1.1

## DESCRIPTION:

With high ability to withstand the shock loading of large current, JCT1230C 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. Package TO-220C is RoHS compliant.

## MAIN FEATURES

| Symbol | Value | Unit |
|---|---|---|
| $I_{T(RMS)}$ | 30 | A |
| $V_{DRM}$ /$V_{RRM}$ | 1200 | V |
| $I_{GT}$ | ≤40 | mA |

## ABSOLUTE MAXIMUM RATINGS

**Parameter**

| | | | |
|---|---|---|---|
| Average gate power dissipation ( $T_j$=125 ) | $P_{G(AV)}$ | 1 | W |
| Peak gate power | $P_{GM}$ | 20 | W |
| Peak pulse voltage | | | |

## ORDERING INFORMATION

| J | CT | 12 | 30 | C |
|---|---|---|---|---|
| JieJie Microelectronics Co., Ltd. | SCRs | 12:$V_{DRM}/V_{RRM} \geq 1200V$ | $I_{T(RMS)}$:30A | C:TO-220C |

## MARKING

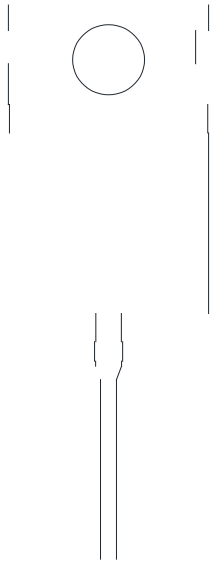


**FIG.1:** Maximum power dissipation versus RMS on-state current

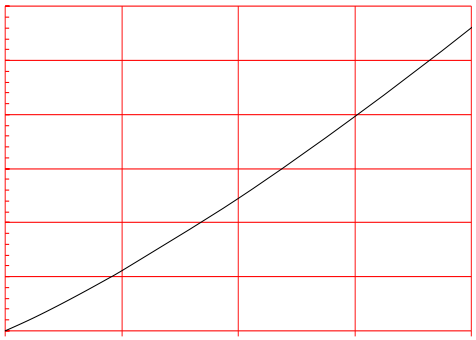


**FIG.2:** RMS on-state current versus case temperature

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



## ORDERING INFORMATION

| Order code | Voltage $V_{DRM}/V_{RRM}$ (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|---|---|---|---|---|---|
| JCT1230C | 1200 | 40 | TO-220C | 50 | Tube |

### Document Revision History

| Date | Revision | Changes |
|---|---|---|
| Apr.13, 2023 | A.1.0 | Last update |
| Oct.14, 2025 | A.1.1 | Revise PACKAGE MECHANICAL DATA |

# JCT1230C