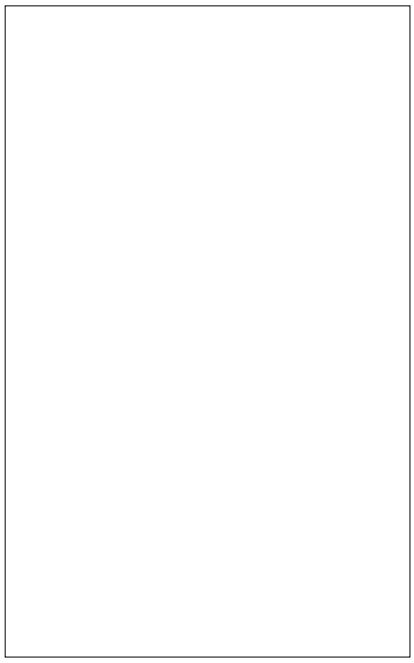
## JCT855SJ 55A SCR

Rev.A.2.1

With high ability to withstand the shock loading of large current, JCT855SJ 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-247J is RoHS compliant.



| Parameter | Symbol | Value | Unit |
|---|---|---|---|
| Storage junction temperature range | $T_{stg}$ | -40-150 | |
| Operat(er)7 (e)10unctit7Tm [(O)2 (per)7u(nt)2 (ur2.3 (a (a)10 (ng)10 (e)]TJ 0 TTc 0 Tw 1.94 0 T | | | |

| | | | |
|---|---|---|---|
| Peak gate power | $P_{GM}$ | 20 | W |
| Peak pulse voltage ($T_j$=25 ; non-repetitive,off-state;FIG.7) | $V_{pp}$ | 0.7 | kV |

($T_j$=25 unless otherwise specified)

| Symbol | Test Condition | Value | | | Unit |
|---|---|---|---|---|---|
| | | MIN. | TYP. | MAX. | |
| $I_{GT}$ | $V_D$=12V $R_L$=33Ω | - - - | 10 | 50 | mA |

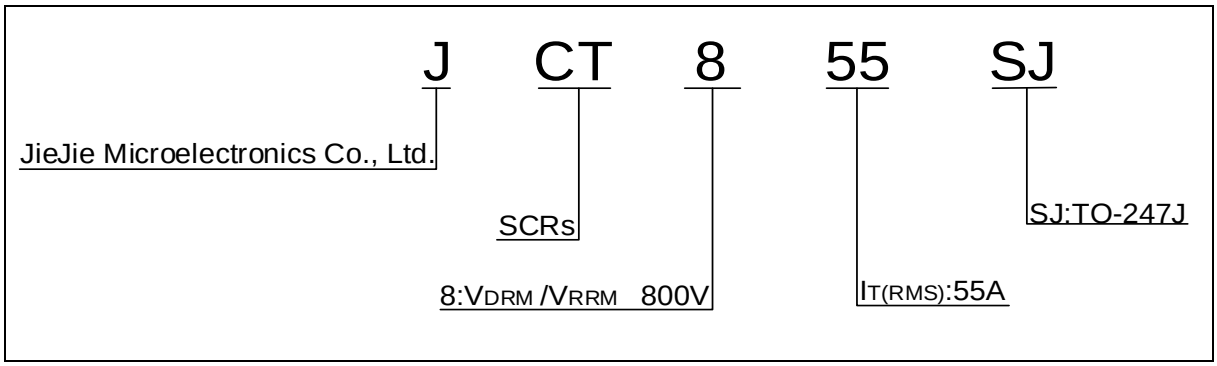

J
CT
8
55
SJ
JieJie Microelectronics Co., Ltd.
SCRs
8:VDRM /VRRM 800V
IT(RMS):55A
SJ:TO-247J

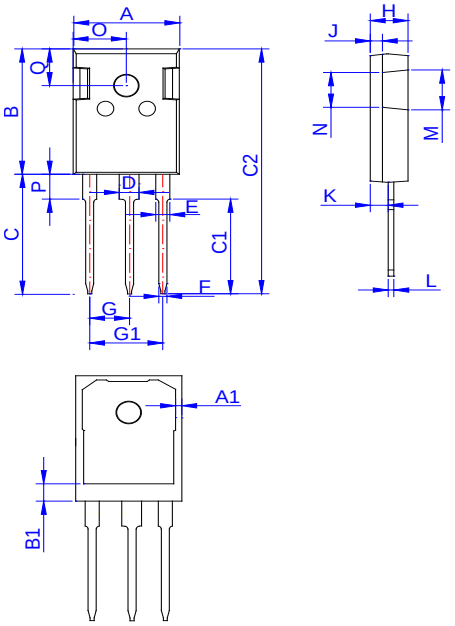
**FIG.1:** Maximum power dissipation versus RMS on-state current

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

| Order code | Voltage $V_{DRM}/V_{RRM}$ (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|---|---|---|---|---|---|
| JCT855SJ | 800 | 10-50 | TO-247J | 30 | Tube |

## Document Revision History

| Date | Revision | Changes |
|---|---|---|
| | | |




| Ref. | Dimensions | | | | | |
|---|---|---|---|---|---|---|
| | Millimeters | | | Inches | | |
| | Min. | Typ. | Max. | Min. | Typ. | Max. |
| A | 15.50 | | 16.10 | 0.610 | | 0.634 |
| A1 | 1.15 | | 1.55 | 0.045 | | 0.061 |
| B | 20.80 | | 21.20 | 0.819 | | 0.835 |
| B1 | 3.10 | | 3.50 | 0.122 | | 0.138 |
| C | 19.70 | | 20.30 | 0.776 | | 0.799 |
| C1 | 15.50 | | 16.10 | 0.610 | | 0.634 |
| C2 | 40.60 | | 41.40 | 1.598 | | 1.630 |
| D | 2.90 | | 3.30 | 0.114 | | 0.130 |
| E | 1.90 | | 2.30 | 0.075 | | 0.091 |
| F | 1.00 | | 1.40 | 0.039 | | 0.055 |
| G | | 5.44 | | | 0.214 | |
| G1 | 10.68 | | 11.08 | 0.420 | | 0.436 |
| H | 4.80 | | 5.20 | 0.189 | | 0.205 |
| J | 1.90 | | 2.10 | 0.075 | | 0.083 |
| K | 2.20 | | 2.50 | 0.087 | | 0.098 |
| L | 0.41 | | 0.79 | 0.016 | | 0.031 |
| M | 3.70 | | 3.90 | 0.146 | | 0.154 |
| N | 3.55 | | 3.70 | 0.140 | | 0.146 |
| O | 7.60 | | 8.20 | 0.299 | | 0.323 |
| P | 4.05 | | 4.25 | 0.159 | | 0.167 |
| Q | 5.85 | | 6.45 | 0.230 | | 0.254 |

