

Electrical Characteristics (TA = 25 °C unless otherwise noted)

| Part Number (Bi) | Part Number (Uni) | MARKING | | Reverse Stand off Voltage V_R (Volts) | Breakdown Voltage V_{BR} (Volts)@ I_T | | Test Current I_T (mA) | Maximum Reverse Leakage I_R @ V_R (μ A) | Maximum Peak Pulse Current I_{pp} (A) | Maximum Clamping Voltage V_C @ I_{pp} (V) |
|------------------|-------------------|---------|-----|---|---|--------|-------------------------|--|---|---|
| | | BI | UNI | | Min .V | Max .V | | | | |
| SMCJ5.0CA | SMCJ5.0A | BDE | GDE | 5.0 | 6.40 | 7.00 | 10 | 500 | 163.0 | 9.2 |
| SMCJ6.0CA | SMCJ6.0A | BDG | GDG | 6.0 | 6.67 | 7.37 | 10 | 500 | 145.6 | 10.3 |
| SMCJ 6.5CA | SMCJ 6.5A | BDK | GDK | 6.5 | 7.22 | 7.90 | 10 | 300 | 134.0 | 11.2 |
| SMCJ7.0 CA | SMCJ7.0 A | BDM | GDM | 7.0 | 7.78 | 8.60 | 10 | 200 | 125.0 | 12.0 |
| SMCJ 7.5CA | SMCJ 7.5A | BDP | GDP | 7.5 | 8.33 | 9.21 | 1 | 100 | 116.3 | 12.9 |
| SMCJ 8.0CA | SMCJ 8.0A | BDR | GDR | 8.0 | 8.89 | 9.83 | 1 | 50 | 110.3 | 13.6 |
| SMCJ8.5 CA | SMCJ8.5 A | BDT | GDT | 8.5 | 9.44 | 10.40 | 1 | 20 | 104.2 | 14.4 |
| SMCJ9.0 CA | SMCJ9.0 A | BDV | GDV | 9.0 | 10.00 | 11.10 | 1 | 10 | 97.4 | 15.4 |
| SMCJ10CA | SMCJ10A | BDX | GDX | 10.0 | 11.10 | 12.30 | 1 | 1 | 88.3 | 17.0 |
| SMCJ11CA | SMCJ11A | BDZ | GDZ | 11.0 | 12.20 | 13.50 | 1 | 1 | 82.5 | 18.2 |
| SMCJ12CA | SMCJ12A | BEE | GEE | 12.0 | 13.30 | 14.70 | 1 | 1 | 75.4 | 19.9 |
| SMCJ13CA | SMCJ13A | BEG | GEG | 13.0 | 14.40 | 15.90 | 1 | 1 | 69.8 | 21.5 |
| SMCJ14CA | SMCJ14A | BEK | GEK | 14.0 | 15.60 | 17.20 | 1 | 1 | 64.7 | 23.2 |
| SMCJ15CA | SMCJ15A | BEM | GEM | 15.0 | 16.70 | 18.50 | 1 | 1 | 61.5 | 24.4 |
| SMCJ16CA | SMCJ16A | BEP | GEP | 16.0 | 17.80 | 19.70 | 1 | 1 | 57.7 | 26.0 |
| SMCJ17CA | SMCJ17A | BER | GER | 17.0 | 18.90 | 20.90 | 1 | 1 | 54.4 | 27.6 |
| SMCJ18CA | SMCJ18A | BET | GET | 18.0 | 20.00 | 22.10 | 1 | 1 | 51.4 | 29.2 |
| SMCJ20CA | SMCJ20A | BEV | GEV | 20.0 | 22.20 | 24.50 | 1 | 1 | 46.3 | 32.4 |
| SMCJ22CA | SMCJ22A | BEX | GEX | 22.0 | 24.40 | 26.90 | 1 | 1 | 42.3 | 35.5 |
| SMCJ24CA | SMCJ24A | BEZ | GEZ | 24.0 | 26.70 | 29.50 | 1 | 1 | 38.6 | 38.9 |
| SMCJ26CA | SMCJ26A | BFE | GFE | 26.0 | 28.90 | 31.90 | 1 | 1 | 35.7 | 42.1 |
| SMCJ28CA | SMCJ28A | BFG | GFG | 28.0 | 31.10 | 34.40 | 1 | 1 | 33.1 | 45.4 |
| SMCJ30CA | SMCJ30A | BFK | GFK | 30.0 | 33.30 | 36.80 | 1 | 1 | 31.0 | 48.4 |
| SMCJ33CA | SMCJ33A | BFM | GFM | 33.0 | 36.70 | 40.60 | 1 | 1 | 28.2 | 53.3 |
| SMCJ36CA | SMCJ36A | BFP | GFP | 36.0 | 40.00 | 44.20 | 1 | 1 | 25.9 | 58.1 |
| SMCJ40CA | SMCJ40A | BFR | GFR | 40.0 | 44.40 | 49.10 | 1 | 1 | 23.3 | 64.5 |
| SMCJ43CA | SMCJ43A | BFT | GFT | 43.0 | 47.80 | 52.80 | 1 | 1 | 21.7 | 69.4 |
| SMCJ45CA | SMCJ45A | BFV | GFV | 45.0 | 50.00 | 55.30 | 1 | 1 | 20.6 | 72.7 |
| SMCJ48CA | SMCJ48A | BFX | GFX | 48.0 | 53.30 | 58.90 | 1 | 1 | 19.4 | 77.4 |
| SMCJ51CA | SMCJ51A | BFZ | GFZ | 51.0 | 56.70 | 62.70 | 1 | 1 | 18.2 | 82.4 |
| SMCJ54CA | SMCJ54A | BGE | GGE | 54.0 | 60.00 | 66.30 | 1 | 1 | 17.3 | 87.1 |
| SMCJ58CA | SMCJ58A | BGG | GGG | 58.0 | 64.40 | 71.20 | 1 | 1 | 16.1 | 93.6 |
| SMCJ60CA | SMCJ60A | BGK | GGK | 60.0 | 66.70 | 73.70 | 1 | 1 | 15.5 | 96.8 |
| SMCJ64CA | SMCJ64A | BGM | GGM | 64.0 | 71.10 | 78.60 | 1 | 1 | 14.6 | 103.0 |
| SMCJ70CA | SMCJ70A | BGP | GGP | 70.0 | 77.80 | 86.00 | 1 | 1 | 13.3 | 113.0 |
| SMCJ75CA | SMCJ75A | BGR | GGR | 75.0 | 83.30 | 92.10 | 1 | 1 | 12.4 | 121.0 |

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|------------------|-------------------|---------|-----|---|---|--------|-------------------------|--|---|---|
| | | BI | UNI | | Min .V | Max .V | | | | |
| SMCJ78CA | SMCJ78A | BGT | GGT | 78.0 | 86.70 | 95.80 | 1 | 1 | 11.9 | 126.0 |
| SMCJ85CA | SMCJ85A | BGV | GGV | 85.0 | 94.4 | 104.0 | 1 | 1 | 11.0 | 137.0 |
| SMCJ90CA | SMCJ90A | BGX | GGX | 90.0 | 100.0 | 111.0 | 1 | 1 | 10.3 | 146.0 |
| SMCJ100CA | SMCJ100A | BGZ | GGZ | 100.0 | 111.0 | 123.0 | 1 | 1 | 9.3 | 162.0 |
| SMCJ110CA | SMCJ110A | BHE | GHE | 110.0 | 122.0 | 135.0 | 1 | 1 | 8.5 | 177.0 |
| SMCJ120CA | SMCJ120A | BHG | GHG | 120.0 | 133.0 | 147.0 | 1 | 1 | 7.8 | 193.0 |
| SMCJ130CA | SMCJ130A | BHK | GHK | 130.0 | 144.0 | 159.0 | 1 | 1 | 7.2 | 209.0 |
| SMCJ150CA | SMCJ150A | BHM | GHM | 150.0 | 167.0 | 185.0 | 1 | 1 | 6.2 | 243.0 |
| SMCJ160CA | SMCJ160A | BHP | GHP | 160.0 | 178.0 | 197.0 | 1 | 1 | 5.8 | 259.0 |
| SMCJ170CA | SMCJ170A | BHR | GHR | 170.0 | 189.0 | 209.0 | 1 | 1 | 5.5 | 275.0 |
| SMCJ180CA | SMCJ180A | BHT | GHT | 180.0 | 201.0 | 222.0 | 1 | 1 | 5.1 | 292.0 |
| SMCJ190CA | SMCJ190A | BHU | GHU | 190.0 | 211.0 | 233.0 | 1 | 1 | 4.8 | 308.0 |
| SMCJ200CA | SMCJ200A | BHV | GHV | 200.0 | 224.0 | 247.0 | 1 | 1 | 4.6 | 324.0 |
| SMCJ210CA | SMCJ210A | BHW | GHW | 210.0 | 237.0 | 263.0 | 1 | 1 | 4.4 | 340.0 |
| SMCJ220CA | SMCJ220A | BHX | GHX | 220.0 | 246.0 | 272.0 | 1 | 1 | 4.2 | 356.0 |
| SMCJ250CA | SMCJ250A | BHZ | GHZ | 250.0 | 279.0 | 309.0 | 1 | 1 | 3.7 | 405.0 |
| SMCJ300CA | SMCJ300A | BJE | GJE | 300.0 | 335.0 | 371.0 | 1 | 1 | 3.1 | 486.0 |
| SMCJ350CA | SMCJ350A | BJG | GJG | 350.0 | 391.0 | 432.0 | 1 | 1 | 2.6 | 567.0 |
| SMCJ400CA | SMCJ400A | BJK | GJK | 400.0 | 447.0 | 494.0 | 1 | 1 | 2.3 | 648.0 |
| SMCJ440CA | SMCJ440A | BJM | GJM | 440.0 | 492.0 | 543.0 | 1 | 1 | 2.1 | 713.0 |

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