



THE DATASHEET OF 3.0SMCJ16CATR



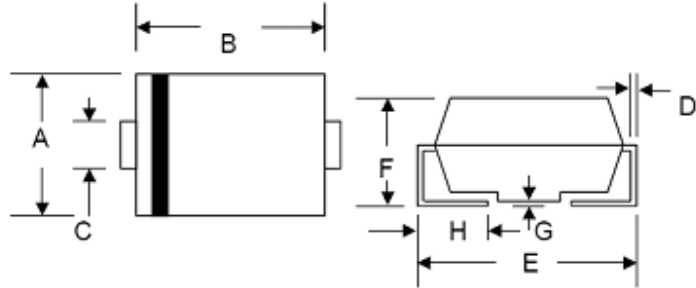


Technical Data

Data Sheet N0001, Rev. A

Features

- Glass Passivated Die Construction
- 3000W Peak Pulse Power Dissipation
- 5.0V – 170V Standoff Voltage
- Uni- and Bi-Directional Versions Available
- Excellent Clamping Capability
- Fast Response Time
- Plastic Case Material has UL Flammability Classification Rating 94V-O
- This is a Pb - Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request



| SMC/DO-214AB | | | | |
|--------------|-------|-------|---------|-------|
| Dim | Min | Max | Min | Max |
| A | 5.59 | 6.22 | 0.220 | 0.245 |
| B | 6.60 | 7.11 | 0.260 | 0.280 |
| C | 2.75 | 3.25 | 0.108 | 0.128 |
| D | 0.152 | 0.305 | 0.006 | 0.012 |
| E | 7.75 | 8.13 | 0.305 | 0.320 |
| F | 2.00 | 2.62 | 0.079 | 0.103 |
| G | 0.051 | 0.203 | 0.002 | 0.008 |
| H | 0.76 | 1.27 | 0.030 | 0.05 |
| | In mm | | In inch | |

"C" Suffix Designates Bi-directional Devices
"A" Suffix Designates 5% Tolerance Devices
No Suffix Designates 10% Tolerance Devices

Mechanical Data

- Case: JEDEC DO-214AB Low Profile Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking:
Unidirectional – Device Code and Cathode Band
Bidirectional – Device Code Only
- Weight: 0.21 grams (approx.)

Ordering Information

| Device | Package | Shipping |
|----------------|------------------|----------------|
| 3.0SMCJ SERIES | SMC (Pb-Free) | 3000pcs / reel |

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

| Characteristic | Symbol | Value | Unit |
|--|-----------------------------------|-------------|------|
| Peak Pulse Power Dissipation 10/1000µS Waveform (Note 1, 2) Figure 1 | PPPM | 3000 | W |
| Peak Pulse Current on 10/1000µS Waveform (Note 1) Figure 3 | I _{PPM} | See Table 1 | A |
| Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method) (Note 2, 3) | I _{FSM} | 300 | A |
| Operating and Storage Temperature Range | T _j , T _{STG} | -55 to +150 | °C |

- Note: 1. Non-repetitive current pulse, per Figure 3 and derated above T_A = 25°C per Figure 2
2. Mounted on 8.0mm² copper pads to each terminal
3. Measured on 8.3ms single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minutes maximum

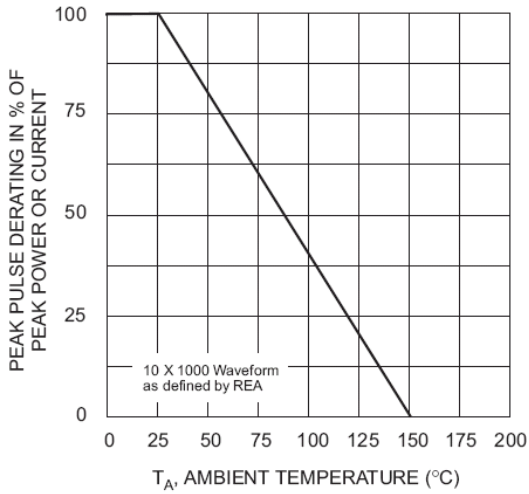


Fig. 1 Pulse Derating Curve

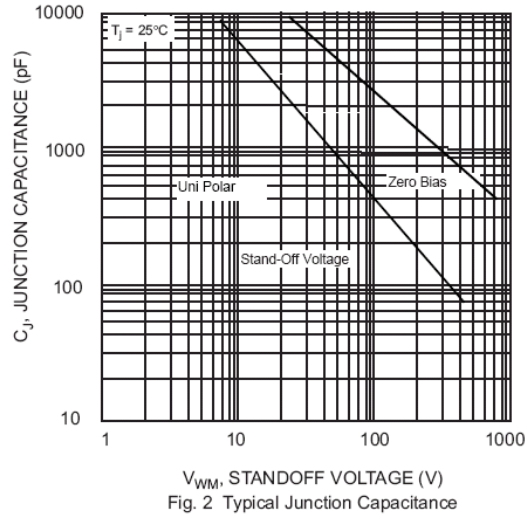


Fig. 2 Typical Junction Capacitance

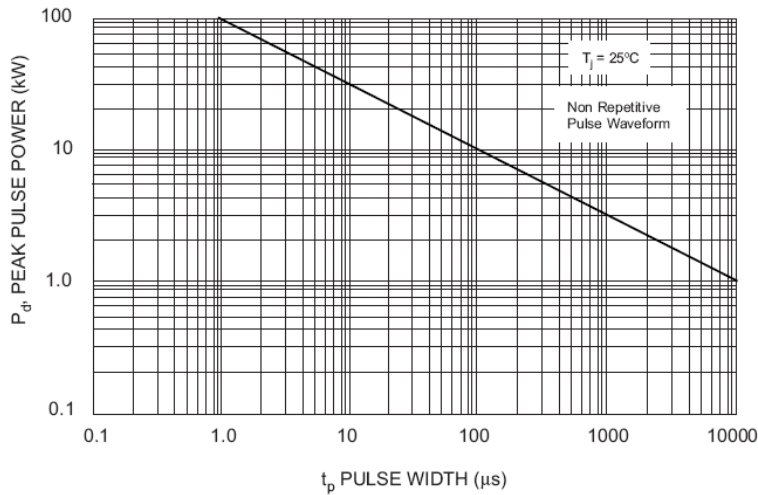


Fig. 3 Pulse Rating Curve

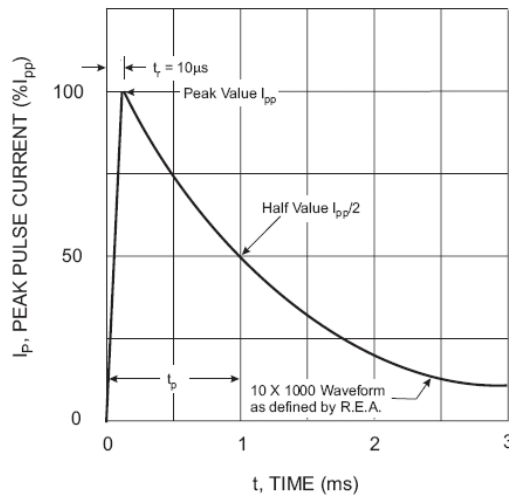


Fig. 4 Pulse Waveform



UNI-DIRECTIONAL 3000 WATT SURFACE MOUNT TVS

| UNI-DIRECTIONAL PART NO. | DEVICE MARKING CODE | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @1T | BREAKDOWN VOLTAGE VBR (V) MAX. @1T | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @Ipp Vc (V) | PEAK PULSE CURRENT Ipp (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|--------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| 3.0SMCJ5.0 | HDD | 5 | 6.4 | 7.82 | 10 | 9.6 | 312.5 | 1000 |
| 3.0SMCJ5.0A | HDE | 5 | 6.4 | 7.07 | 10 | 9.2 | 326 | 1000 |
| 3.0SMCJ6.0 | HDF | 6 | 6.67 | 8.15 | 10 | 11.4 | 263.2 | 1000 |
| 3.0SMCJ6.0A | HDF | 6 | 6.67 | 7.37 | 10 | 10.3 | 291.3 | 1000 |
| 3.0SMCJ6.5 | HDH | 6.5 | 7.22 | 8.82 | 10 | 12.3 | 243.9 | 500 |
| 3.0SMCJ6.5A | HDK | 6.5 | 7.22 | 7.98 | 10 | 11.2 | 267.9 | 500 |
| 3.0SMCJ7.0 | HDL | 7 | 7.78 | 9.51 | 10 | 13.3 | 225.6 | 200 |
| 3.0SMCJ7.0A | HDM | 7 | 7.78 | 8.60 | 10 | 12 | 250 | 200 |
| 3.0SMCJ7.5 | HDN | 7.5 | 8.33 | 10.18 | 1 | 14.3 | 209.8 | 100 |
| 3.0SMCJ7.5A | HDP | 7.5 | 8.33 | 9.21 | 1 | 12.9 | 232.6 | 100 |
| 3.0SMCJ8.0 | HDQ | 8 | 8.99 | 10.99 | 1 | 15 | 220 | 50 |
| 3.0SMCJ8.0A | HDR | 8 | 8.99 | 9.94 | 1 | 13.6 | 220.6 | 50 |
| 3.0SMCJ8.5 | HDS | 8.5 | 9.44 | 11.54 | 1 | 15.9 | 188.8 | 25 |
| 3.0SMCJ8.5A | HDT | 8.5 | 9.44 | 10.43 | 1 | 14.4 | 208.4 | 25 |
| 3.0SMCJ9.0 | HDU | 9 | 10 | 12.22 | 1 | 16.9 | 177.4 | 10 |
| 3.0SMCJ9.0A | HDV | 9 | 10 | 11.05 | 1 | 15.4 | 194.8 | 10 |
| 3.0SMCJ10 | HDW | 10 | 11.1 | 13.57 | 1 | 18.8 | 159.6 | 5 |
| 3.0SMCJ10A | HDX | 10 | 11.1 | 12.27 | 1 | 17 | 176.4 | 5 |
| 3.0SMCJ11 | HDY | 11 | 12.2 | 14.91 | 1 | 20.1 | 149.2 | 5 |
| 3.0SMCJ11A | HDZ | 11 | 12.2 | 13.48 | 1 | 18.2 | 184.8 | 5 |
| 3.0SMCJ12 | HED | 12 | 13.3 | 16.26 | 1 | 22 | 136.4 | 5 |
| 3.0SMCJ12A | HEE | 12 | 13.3 | 14.70 | 1 | 19.9 | 150.6 | 5 |
| 3.0SMCJ13 | HEF | 13 | 14.4 | 17.60 | 1 | 23.8 | 126 | 5 |
| 3.0SMCJ13A | HEG | 13 | 14.4 | 15.92 | 1 | 21.5 | 139.4 | 5 |
| 3.0SMCJ14 | HEH | 14 | 15.6 | 19.07 | 1 | 25.8 | 116.2 | 5 |
| 3.0SMCJ14A | HEK | 14 | 15.6 | 17.24 | 1 | 23.2 | 129.4 | 5 |
| 3.0SMCJ15 | HEL | 15 | 16.7 | 20.41 | 1 | 26.9 | 111.6 | 5 |
| 3.0SMCJ15A | HEM | 15 | 16.7 | 18.46 | 1 | 24.4 | 123 | 5 |
| 3.0SMCJ16 | HEN | 16 | 17.8 | 21.76 | 1 | 28.8 | 104.2 | 5 |
| 3.0SMCJ16A | HEP | 16 | 17.8 | 19.67 | 1 | 26 | 115.4 | 5 |
| 3.0SMCJ17 | HEQ | 17 | 18.9 | 23.10 | 1 | 30.5 | 98.4 | 5 |
| 3.0SMCJ17A | HER | 17 | 18.9 | 20.89 | 1 | 27.6 | 106.6 | 5 |
| 3.0SMCJ18 | HES | 18 | 20 | 24.44 | 1 | 32.2 | 93.2 | 5 |
| 3.0SMCJ18A | HET | 18 | 20 | 22.11 | 1 | 29.2 | 102.8 | 5 |
| 3.0SMCJ20 | HEU | 20 | 22.2 | 27.13 | 1 | 35.8 | 83.8 | 5 |
| 3.0SMCJ20A | HEV | 20 | 22.2 | 24.54 | 1 | 32.4 | 92.6 | 5 |
| 3.0SMCJ22 | HEW | 22 | 24.4 | 29.82 | 1 | 39.4 | 76.2 | 5 |
| 3.0SMCJ22A | HEX | 22 | 24.4 | 26.97 | 1 | 35.5 | 84.4 | 5 |
| 3.0SMCJ24 | HEY | 24 | 26.7 | 32.63 | 1 | 43 | 69.8 | 5 |
| 3.0SMCJ24A | HEZ | 24 | 26.7 | 29.51 | 1 | 38.9 | 77.2 | 5 |
| 3.0SMCJ26 | HFD | 26 | 28.9 | 35.32 | 1 | 46.6 | 64.4 | 5 |
| 3.0SMCJ26A | HFE | 26 | 28.9 | 31.94 | 1 | 42.1 | 71.2 | 5 |
| 3.0SMCJ28 | HFF | 28 | 31.1 | 38.01 | 1 | 50 | 60 | 5 |
| 3.0SMCJ28A | HFG | 28 | 31.1 | 34.37 | 1 | 45.4 | 66 | 5 |
| 3.0SMCJ30 | HFH | 30 | 33.3 | 40.70 | 1 | 53.5 | 56 | 5 |
| 3.0SMCJ30A | HFK | 30 | 33.3 | 36.81 | 1 | 48.4 | 62 | 5 |
| 3.0SMCJ33 | HFL | 33 | 36.7 | 44.86 | 1 | 59 | 50.4 | 5 |
| 3.0SMCJ33A | HFM | 33 | 36.7 | 40.56 | 1 | 53.3 | 56.2 | 5 |
| 3.0SMCJ36 | HFN | 36 | 40 | 48.89 | 1 | 64.3 | 46.6 | 5 |
| 3.0SMCJ36A | HFP | 36 | 40 | 44.21 | 1 | 58.1 | 51.6 | 5 |
| 3.0SMCJ40 | HFQ | 40 | 44.4 | 54.27 | 1 | 71.4 | 42 | 5 |
| 3.0SMCJ40A | HFR | 40 | 44.4 | 49.07 | 1 | 64.5 | 46.4 | 5 |
| 3.0SMCJ43 | HFS | 43 | 47.8 | 58.42 | 1 | 76.6 | 39.2 | 5 |
| 3.0SMCJ43A | HFT | 43 | 47.8 | 52.83 | 1 | 69.4 | 43.2 | 5 |
| 3.0SMCJ45 | HFU | 45 | 50 | 61.11 | 1 | 80.3 | 37.4 | 5 |
| 3.0SMCJ45A | HFV | 45 | 50 | 55.26 | 1 | 72.7 | 41.2 | 5 |
| 3.0SMCJ48 | HFW | 48 | 53.3 | 65.14 | 1 | 85.5 | 35 | 5 |
| 3.0SMCJ48A | HFY | 48 | 53.3 | 58.91 | 1 | 77.4 | 38.8 | 5 |
| 3.0SMCJ51 | HFY | 51 | 56.7 | 69.30 | 1 | 91.1 | 37 | 5 |
| 3.0SMCJ51A | HFZ | 51 | 56.7 | 62.67 | 1 | 82.4 | 36.4 | 5 |
| 3.0SMCJ54 | HGD | 54 | 60 | 73.33 | 1 | 96.3 | 31.2 | 5 |
| 3.0SMCJ54A | HGE | 54 | 60 | 66.32 | 1 | 87.1 | 34.4 | 5 |
| 3.0SMCJ58 | HGF | 58 | 64.4 | 78.71 | 1 | 103 | 29.2 | 5 |
| 3.0SMCJ58A | HGG | 58 | 64.4 | 71.18 | 1 | 93.6 | 32 | 5 |
| 3.0SMCJ60 | HGH | 60 | 66.7 | 81.52 | 1 | 107 | 28 | 5 |
| 3.0SMCJ60A | HGK | 60 | 66.7 | 73.72 | 1 | 96.8 | 31 | 5 |
| 3.0SMCJ64 | HGL | 64 | 71.1 | 86.90 | 1 | 114 | 26.4 | 5 |
| 3.0SMCJ64A | HGM | 64 | 71.1 | 78.58 | 1 | 103 | 29.2 | 5 |
| 3.0SMCJ70 | HGN | 70 | 77.8 | 95.09 | 1 | 125 | 24 | 5 |
| 3.0SMCJ70A | HGP | 70 | 77.8 | 85.99 | 1 | 113 | 26.6 | 5 |
| 3.0SMCJ75 | HGQ | 75 | 83.3 | 101.81 | 1 | 134 | 22.4 | 5 |
| 3.0SMCJ75A | HGR | 75 | 83.3 | 92.07 | 1 | 121 | 24.8 | 5 |
| 3.0SMCJ78 | HGS | 78 | 86.7 | 105.97 | 1 | 139 | 21.6 | 5 |
| 3.0SMCJ78A | HGT | 78 | 86.7 | 95.83 | 1 | 126 | 22.8 | 5 |
| 3.0SMCJ85 | HGU | 85 | 94.4 | 115.38 | 1 | 151 | 19.8 | 5 |
| 3.0SMCJ85A | HGV | 85 | 94.4 | 104.34 | 1 | 137 | 20.8 | 5 |
| 3.0SMCJ90 | HGW | 90 | 100 | 122.22 | 1 | 160 | 18.8 | 5 |
| 3.0SMCJ90A | HGX | 90 | 100 | 110.53 | 1 | 146 | 20.6 | 5 |
| 3.0SMCJ100 | HGY | 100 | 111 | 135.67 | 1 | 179 | 16.6 | 5 |
| 3.0SMCJ100A | HGZ | 100 | 111 | 122.68 | 1 | 162 | 18.6 | 5 |
| 3.0SMCJ110 | HHD | 110 | 122 | 149.11 | 1 | 196 | 15.4 | 5 |
| 3.0SMCJ110A | HHE | 110 | 122 | 134.84 | 1 | 177 | 16.8 | 5 |
| 3.0SMCJ120 | HHF | 120 | 133 | 162.56 | 1 | 214 | 14 | 5 |
| 3.0SMCJ120A | HHG | 120 | 133 | 147.00 | 1 | 193 | 15.6 | 5 |
| 3.0SMCJ130 | HHH | 130 | 144 | 176.00 | 1 | 231 | 13 | 5 |
| 3.0SMCJ130A | HHK | 130 | 144 | 159.16 | 1 | 209 | 14.4 | 5 |
| 3.0SMCJ150 | HHL | 150 | 167 | 204.11 | 1 | 269 | 11.2 | 5 |
| 3.0SMCJ150A | HHM | 150 | 167 | 184.58 | 1 | 243 | 12.4 | 5 |
| 3.0SMCJ160 | HHN | 160 | 178 | 217.56 | 1 | 287 | 10.4 | 5 |
| 3.0SMCJ160A | HHP | 160 | 178 | 196.74 | 1 | 259 | 11.6 | 5 |
| 3.0SMCJ170 | HHQ | 170 | 189 | 231.00 | 1 | 304 | 9.8 | 5 |
| 3.0SMCJ170A | HHR | 170 | 189 | 208.89 | 1 | 275 | 11 | 5 |



Technical Data
Data Sheet N0001, Rev. A

Green Products

BI-DIRECTIONAL 3000 WATT SURFACE MOUNT TVS


| BI-DIRECTIONAL PART NO. | DEVICE MARKING CODE | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @Ipp Vc (V) | PEAK PULSE CURRENT Ipp (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|-------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| 3.0SMCJ5.0C | IDD | 5 | 6.4 | 7.82 | 10 | 9.6 | 312.5 | 2000 |
| 3.0SMCJ5.0CA | IDE | 5 | 6.4 | 7.07 | 10 | 9.2 | 326 | 2000 |
| 3.0SMCJ6.0C | IDF | 6 | 6.67 | 8.15 | 10 | 11.4 | 263.2 | 2000 |
| 3.0SMCJ6.0CA | IDG | 6 | 6.67 | 7.37 | 10 | 10.3 | 291.3 | 2000 |
| 3.0SMCJ6.5C | IDH | 6.5 | 7.22 | 8.82 | 10 | 12.3 | 243.9 | 1000 |
| 3.0SMCJ6.5CA | IDK | 6.5 | 7.22 | 7.98 | 10 | 11.2 | 267.9 | 1000 |
| 3.0SMCJ7.0C | IDL | 7 | 7.78 | 9.51 | 10 | 13.3 | 225.6 | 400 |
| 3.0SMCJ7.0CA | IDM | 7 | 7.78 | 8.60 | 10 | 12 | 250 | 400 |
| 3.0SMCJ7.5C | IDN | 7.5 | 8.33 | 10.18 | 1 | 14.3 | 209.8 | 200 |
| 3.0SMCJ7.5CA | IDP | 7.5 | 8.33 | 9.21 | 1 | 12.9 | 232.6 | 200 |
| 3.0SMCJ8.0C | IDQ | 8 | 8.99 | 10.99 | 1 | 15 | 220 | 100 |
| 3.0SMCJ8.0CA | IDR | 8 | 8.99 | 9.94 | 1 | 13.6 | 220.6 | 100 |
| 3.0SMCJ8.5C | IDS | 8.5 | 9.44 | 11.54 | 1 | 15.9 | 188.8 | 50 |
| 3.0SMCJ8.5CA | IDT | 8.5 | 9.44 | 10.43 | 1 | 14.4 | 208.4 | 50 |
| 3.0SMCJ9.0C | IDU | 9 | 10 | 12.22 | 1 | 16.9 | 177.4 | 20 |
| 3.0SMCJ9.0CA | IDV | 9 | 10 | 11.05 | 1 | 15.4 | 194.8 | 20 |
| 3.0SMCJ10C | IDW | 10 | 11.1 | 13.57 | 1 | 18.8 | 159.6 | 5 |
| 3.0SMCJ10CA | IDX | 10 | 11.1 | 12.27 | 1 | 17 | 176.4 | 5 |
| 3.0SMCJ11C | IDY | 11 | 12.2 | 14.91 | 1 | 20.1 | 149.2 | 5 |
| 3.0SMCJ11CA | IDZ | 11 | 12.2 | 13.48 | 1 | 18.2 | 184.8 | 5 |
| 3.0SMCJ12C | IEA | 12 | 13.3 | 16.26 | 1 | 22 | 136.4 | 5 |
| 3.0SMCJ12CA | IEE | 12 | 13.3 | 14.70 | 1 | 19.9 | 150.6 | 5 |
| 3.0SMCJ13C | IEF | 13 | 14.4 | 17.60 | 1 | 23.8 | 126 | 5 |
| 3.0SMCJ13CA | IEG | 13 | 14.4 | 15.92 | 1 | 21.5 | 139.4 | 5 |
| 3.0SMCJ14C | IEH | 14 | 15.6 | 19.07 | 1 | 25.8 | 116.2 | 5 |
| 3.0SMCJ14CA | IEK | 14 | 15.6 | 17.24 | 1 | 23.2 | 129.4 | 5 |
| 3.0SMCJ15C | IEL | 15 | 16.7 | 20.41 | 1 | 26.9 | 111.6 | 5 |
| 3.0SMCJ15CA | IEM | 15 | 16.7 | 18.46 | 1 | 24.4 | 123 | 5 |
| 3.0SMCJ16C | IEN | 16 | 17.8 | 21.76 | 1 | 28.8 | 104.2 | 5 |
| 3.0SMCJ16CA | IEP | 16 | 17.8 | 19.67 | 1 | 26 | 115.4 | 5 |
| 3.0SMCJ17C | IEQ | 17 | 18.9 | 23.10 | 1 | 30.5 | 98.4 | 5 |
| 3.0SMCJ17CA | IER | 17 | 18.9 | 20.89 | 1 | 27.6 | 106.6 | 5 |
| 3.0SMCJ18C | IES | 18 | 20 | 24.44 | 1 | 32.2 | 93.2 | 5 |
| 3.0SMCJ18CA | IET | 18 | 20 | 22.11 | 1 | 29.2 | 102.8 | 5 |
| 3.0SMCJ20C | IEU | 20 | 22.2 | 27.13 | 1 | 35.8 | 83.8 | 5 |
| 3.0SMCJ20CA | IEV | 20 | 22.2 | 24.54 | 1 | 32.4 | 92.6 | 5 |
| 3.0SMCJ22C | IEW | 22 | 24.4 | 29.82 | 1 | 39.4 | 76.2 | 5 |
| 3.0SMCJ22CA | IEX | 22 | 24.4 | 26.97 | 1 | 35.5 | 84.4 | 5 |
| 3.0SMCJ24C | IEY | 24 | 26.7 | 32.63 | 1 | 43 | 69.8 | 5 |
| 3.0SMCJ24CA | IEZ | 24 | 26.7 | 29.51 | 1 | 38.9 | 77.2 | 5 |
| 3.0SMCJ26C | IFD | 26 | 28.9 | 35.32 | 1 | 46.6 | 64.4 | 5 |
| 3.0SMCJ26CA | IFE | 26 | 28.9 | 31.94 | 1 | 42.1 | 71.2 | 5 |
| 3.0SMCJ28C | IFF | 28 | 31.1 | 38.01 | 1 | 50 | 60 | 5 |
| 3.0SMCJ28CA | IFG | 28 | 31.1 | 34.37 | 1 | 45.4 | 66 | 5 |
| 3.0SMCJ30C | IFH | 30 | 33.3 | 40.70 | 1 | 53.5 | 56 | 5 |
| 3.0SMCJ30CA | IFK | 30 | 33.3 | 36.81 | 1 | 48.4 | 62 | 5 |
| 3.0SMCJ33C | IFL | 33 | 36.7 | 44.86 | 1 | 59 | 50.4 | 5 |
| 3.0SMCJ33CA | IFM | 33 | 36.7 | 40.56 | 1 | 53.3 | 56.2 | 5 |
| 3.0SMCJ36C | IFN | 36 | 40 | 48.89 | 1 | 64.3 | 46.6 | 5 |
| 3.0SMCJ36CA | IFP | 36 | 40 | 44.21 | 1 | 58.1 | 51.6 | 5 |
| 3.0SMCJ40C | IFQ | 40 | 44.4 | 54.27 | 1 | 71.4 | 42 | 5 |
| 3.0SMCJ40CA | IFR | 40 | 44.4 | 49.07 | 1 | 64.5 | 46.4 | 5 |
| 3.0SMCJ43C | IFS | 43 | 47.8 | 58.42 | 1 | 76.6 | 39.2 | 5 |
| 3.0SMCJ43CA | IFT | 43 | 47.8 | 52.83 | 1 | 69.4 | 43.2 | 5 |
| 3.0SMCJ45C | IFU | 45 | 50 | 61.11 | 1 | 80.3 | 37.4 | 5 |
| 3.0SMCJ45CA | IFV | 45 | 50 | 55.26 | 1 | 72.7 | 41.2 | 5 |
| 3.0SMCJ48C | IFW | 48 | 53.3 | 65.14 | 1 | 85.5 | 35 | 5 |
| 3.0SMCJ48CA | IFX | 48 | 53.3 | 58.91 | 1 | 77.4 | 38.8 | 5 |
| 3.0SMCJ51C | IFY | 51 | 56.7 | 69.30 | 1 | 91.1 | 37 | 5 |
| 3.0SMCJ51CA | IFZ | 51 | 56.7 | 62.67 | 1 | 82.4 | 36.4 | 5 |
| 3.0SMCJ54C | IGD | 54 | 60 | 73.33 | 1 | 96.3 | 31.2 | 5 |
| 3.0SMCJ54CA | IGE | 54 | 60 | 66.32 | 1 | 87.1 | 34.4 | 5 |
| 3.0SMCJ58C | IGF | 58 | 64.4 | 78.71 | 1 | 103 | 29.2 | 5 |
| 3.0SMCJ58CA | IGG | 58 | 64.4 | 71.18 | 1 | 93.6 | 32 | 5 |
| 3.0SMCJ60C | IGH | 60 | 66.7 | 81.52 | 1 | 107 | 28 | 5 |
| 3.0SMCJ60CA | IGK | 60 | 66.7 | 73.72 | 1 | 96.8 | 31 | 5 |
| 3.0SMCJ64C | IGL | 64 | 71.1 | 86.90 | 1 | 114 | 26.4 | 5 |
| 3.0SMCJ64CA | IGM | 64 | 71.1 | 78.58 | 1 | 103 | 29.2 | 5 |
| 3.0SMCJ70C | IGN | 70 | 77.8 | 95.09 | 1 | 125 | 24 | 5 |
| 3.0SMCJ70CA | IGP | 70 | 77.8 | 85.99 | 1 | 113 | 26.6 | 5 |
| 3.0SMCJ75C | IGQ | 75 | 83.3 | 101.81 | 1 | 134 | 22.4 | 5 |
| 3.0SMCJ75CA | IGR | 75 | 83.3 | 92.07 | 1 | 121 | 24.8 | 5 |
| 3.0SMCJ78C | IGS | 78 | 86.7 | 105.97 | 1 | 139 | 21.6 | 5 |
| 3.0SMCJ78CA | IGT | 78 | 86.7 | 95.83 | 1 | 126 | 22.8 | 5 |
| 3.0SMCJ85C | IGU | 85 | 94.4 | 115.38 | 1 | 151 | 19.8 | 5 |
| 3.0SMCJ85CA | IGV | 85 | 94.4 | 104.34 | 1 | 137 | 20.8 | 5 |
| 3.0SMCJ90C | IGW | 90 | 100 | 122.22 | 1 | 160 | 18.8 | 5 |
| 3.0SMCJ90CA | IGX | 90 | 100 | 110.53 | 1 | 146 | 20.6 | 5 |
| 3.0SMCJ100C | IGY | 100 | 111 | 135.67 | 1 | 179 | 16.6 | 5 |
| 3.0SMCJ100CA | IGZ | 100 | 111 | 122.88 | 1 | 162 | 18.6 | 5 |
| 3.0SMCJ110C | IHD | 110 | 122 | 149.11 | 1 | 196 | 15.4 | 5 |
| 3.0SMCJ110CA | IHE | 110 | 122 | 134.84 | 1 | 177 | 16.8 | 5 |
| 3.0SMCJ120C | IHF | 120 | 133 | 162.56 | 1 | 214 | 14 | 5 |
| 3.0SMCJ120CA | IHG | 120 | 133 | 147.00 | 1 | 193 | 15.6 | 5 |
| 3.0SMCJ130C | IHH | 130 | 144 | 176.00 | 1 | 231 | 13 | 5 |
| 3.0SMCJ130CA | IHK | 130 | 144 | 159.16 | 1 | 209 | 14.4 | 5 |
| 3.0SMCJ150C | IHL | 150 | 167 | 204.11 | 1 | 269 | 11.2 | 5 |
| 3.0SMCJ150CA | IHM | 150 | 167 | 184.58 | 1 | 243 | 12.4 | 5 |
| 3.0SMCJ160C | IHN | 160 | 178 | 217.56 | 1 | 287 | 10.4 | 5 |
| 3.0SMCJ160CA | IHP | 160 | 178 | 196.74 | 1 | 259 | 11.6 | 5 |
| 3.0SMCJ170C | IHQ | 170 | 189 | 231.00 | 1 | 304 | 9.8 | 5 |
| 3.0SMCJ170CA | IHR | 170 | 189 | 208.89 | 1 | 275 | 11 | 5 |

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