

3.0SMCJ SERIES

SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR
VOLTAGE – 5.0-170 Volts Peak Pulse Power-3000 Watts

FEATURES

- For surface mounted applications in order to optimize board space
- Low profile package
- Built-in strain relief
- Glass passivated junction
- Excellent clamping capability
- Low inductance
- Repetition Rate (duty cycle): 0.5%
- Fast response time: typically less than 1.0ps from 0 volts to BV for bidirectional types
- Typical I_o less than $1\mu A$ above 10V
- High temperature soldering:
250°C/10 seconds at terminals
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0

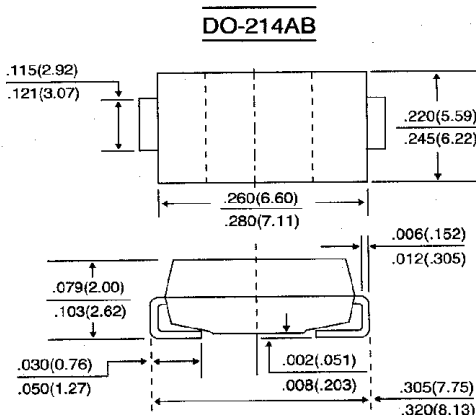
MECHANICAL DATA

Case: JEDEC DO214AB molded plastic over passivated junction

Terminals: Solder plated, solderable per MIL-STD-750, Method 2026

Standard Packaging: 16mm tape (EIA-481)

Weight: .007 ounces, 0.21 gram



Dimensions in inches and (millimeters)
 *Typical Range

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

| | SYMBOLS | VALUE | UNITS |
|--|----------------|--------------|-------|
| Peak Pulse Power Dissipation on 10/1000 μs waveform (Notes 1, 2, Fig. 1) | P_{PPM} | Minimum 3000 | Watts |
| Peak Pulse Current on 10/1000 μs waveform (Note 1, Fig. 3) | I_{PPM} | See Table 1 | Amps |
| Peak forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) (NOTES 2,3) | I_{FSM} | 200.0 | Amps |
| Operating Junction and Storage Temperature Range | T_J, T_{STG} | -55 to +150 | °C |

NOTES:

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

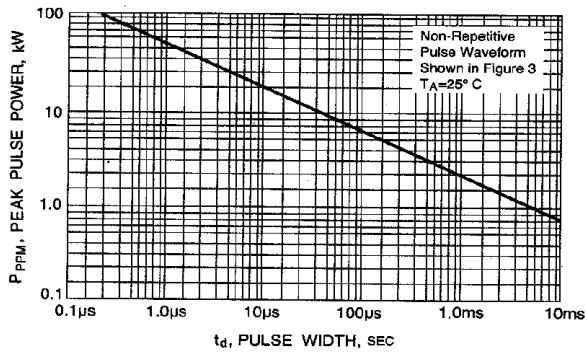


FIGURE 1 PEAK PULSE POWER VS PULSE TIME

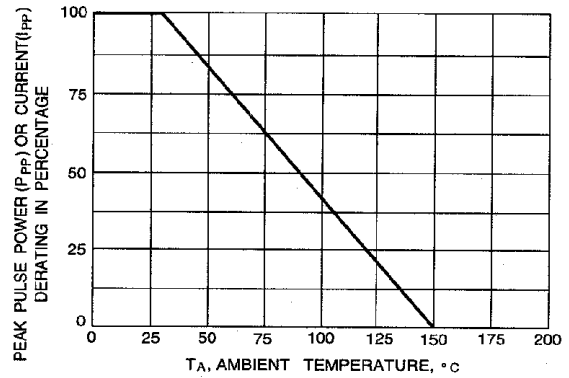


FIGURE 2 DERATING CURVE

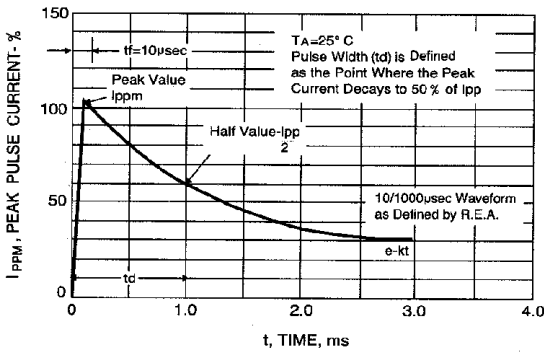


FIGURE 3 PULSE WAVEFORM

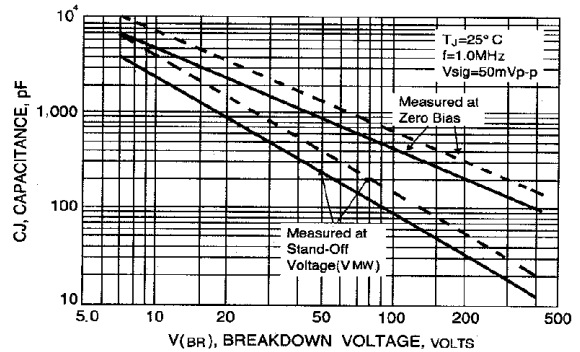


FIGURE 4 TYPICAL CAPACITANCE VS STAND-OFF VOLTAGE

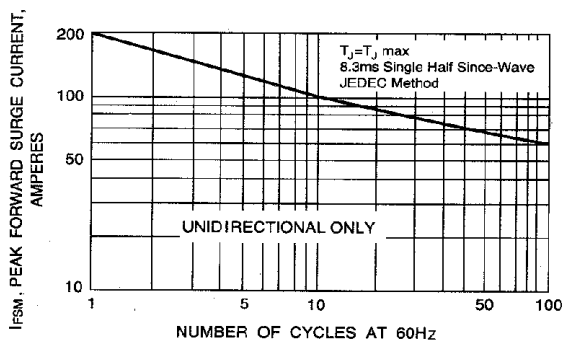


FIGURE 5 MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



3000 Watt Surface Mount TVS

| UNI-DIRECTIONAL PART NUMBER | 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 0 | HDD | 5.0 | 6.40 | 7.55 | 10 | 9.6 | 312.5 | 1000 |
| 3.0SMCJ5.0A | HDE | 5.0 | 6.40 | 7.25 | 10 | 9.2 | 326.0 | 1000 |
| 3.0SMCJ6 0 | HDF | 6.0 | 6.67 | 8.45 | 10 | 11.4 | 263.2 | 1000 |
| 3.0SMCJ6.0A | HDF | 6.0 | 6.67 | 7.67 | 10 | 10.3 | 291.3 | 1000 |
| 3.0SMCJ6.5 | HDH | 6.5 | 7.22 | 9.14 | 10 | 12.3 | 243.9 | 500 |
| 3.0SMCJ6.5A | HDK | 6.5 | 7.22 | 8.30 | 10 | 11.2 | 267.9 | 500 |
| 3.0SMCJ7 0 | HDL | 7.0 | 7.78 | 9.86 | 10 | 13.3 | 225.6 | 200 |
| 3.0SMCJ7.0A | HDM | 7.0 | 7.78 | 8.95 | 10 | 12.0 | 250.0 | 200 |
| 3.0SMCJ7.5 | HDN | 7.5 | 8.33 | 10.67 | 1 | 14.3 | 209.8 | 100 |
| 3.0SMCJ7.5A | HDP | 7.5 | 8.33 | 9.58 | 1 | 12.9 | 232.6 | 100 |
| 3.0SMCJ8 0 | HDQ | 8.0 | 8.89 | 11.30 | 1 | 15.0 | 200.0 | 50 |
| 3.0SMCJ8.0A | HDR | 8.0 | 8.89 | 10.23 | 1 | 13.6 | 220.6 | 50 |
| 3.0SMCJ8.5 | HDS | 8.5 | 9.44 | 11.92 | 1 | 15.9 | 188.8 | 25 |
| 3.0SMCJ8.5A | HDT | 8.5 | 9.44 | 10.82 | 1 | 14.4 | 208.4 | 25 |
| 3.0SMCJ9 0 | HDU | 9.0 | 10.00 | 12.60 | 1 | 16.9 | 177.4 | 10 |
| 3.0SMCJ9.0A | HDV | 9.0 | 10.00 | 11.50 | 1 | 15.4 | 194.8 | 10 |
| 3.0SMCJ10 | HDW | 10.0 | 11.10 | 14.10 | 1 | 18.8 | 159.6 | 5 |
| 3.0SMCJ10A | HDX | 10.0 | 11.10 | 12.80 | 1 | 17.0 | 176.4 | 5 |
| 3.0SMCJ11 | HDY | 11.0 | 12.20 | 15.40 | 1 | 20.1 | 149.2 | 5 |
| 3.0SMCJ11A | HDZ | 11.0 | 12.20 | 14.00 | 1 | 18.2 | 184.8 | 5 |
| 3.0SMCJ12 | HED | 12.0 | 13.30 | 16.90 | 1 | 22.0 | 136.4 | 5 |
| 3.0SMCJ12A | HEE | 12.0 | 13.30 | 15.30 | 1 | 19.9 | 150.6 | 5 |
| 3.0SMCJ13 | HEF | 13.0 | 14.40 | 18.20 | 1 | 23.8 | 126.0 | 5 |
| 3.0SMCJ13A | HEG | 13.0 | 14.40 | 16.50 | 1 | 21.5 | 139.4 | 5 |
| 3.0SMCJ14 | HEH | 14.0 | 15.60 | 19.80 | 1 | 25.8 | 116.2 | 5 |
| 3.0SMCJ14A | HEK | 14.0 | 15.60 | 17.90 | 1 | 23.2 | 129.4 | 5 |
| 3.0SMCJ15 | HEL | 15.0 | 16.70 | 21.10 | 1 | 29.9 | 111.6 | 5 |
| 3.0SMCJ15A | HEM | 15.0 | 16.70 | 19.20 | 1 | 24.4 | 123.0 | 5 |
| 3.0SMCJ16 | HEN | 16.0 | 17.80 | 22.60 | 1 | 28.8 | 104.2 | 5 |
| 3.0SMCJ16A | HEP | 16.0 | 17.80 | 20.50 | 1 | 26.0 | 115.4 | 5 |
| 3.0SMCJ17 | HEQ | 17.0 | 18.90 | 23.90 | 1 | 30.5 | 98.4 | 5 |
| 3.0SMCJ17A | HER | 17.0 | 18.90 | 21.70 | 1 | 27.6 | 106.6 | 5 |
| 3.0SMCJ18 | HES | 18.0 | 20.00 | 25.30 | 1 | 32.2 | 93.2 | 5 |
| 3.0SMCJ18A | HET | 18.0 | 20.00 | 23.30 | 1 | 29.2 | 102.8 | 5 |
| 3.0SMCJ19 | HEU | 20.0 | 22.20 | 28.10 | 1 | 35.8 | 83.8 | 5 |
| 3.0SMCJ20A | HEV | 20.0 | 22.20 | 25.50 | 1 | 32.4 | 92.6 | 5 |
| 3.0SMCJ22 | HEW | 22.0 | 24.40 | 30.90 | 1 | 39.4 | 76.2 | 5 |
| 3.0SMCJ22A | HEX | 22.0 | 24.40 | 28.00 | 1 | 35.5 | 84.4 | 5 |
| 3.0SMCJ24 | HEY | 24.0 | 26.70 | 33.80 | 1 | 43.0 | 69.8 | 5 |
| 3.0SMCJ24A | HEZ | 24.0 | 26.70 | 30.70 | 1 | 38.9 | 77.2 | 5 |
| 3.0SMCJ26 | HFD | 26.0 | 28.90 | 36.60 | 1 | 46.6 | 64.4 | 5 |
| 3.0SMCJ26A | HFE | 26.0 | 28.90 | 33.20 | 1 | 42.1 | 71.2 | 5 |
| 3.0SMCJ28 | HFF | 28.0 | 31.10 | 39.40 | 1 | 50.0 | 60.0 | 5 |
| 3.0SMCJ28A | HFG | 28.0 | 31.10 | 35.80 | 1 | 45.4 | 66.0 | 5 |
| 3.0SMCJ30 | HFH | 30.0 | 33.30 | 42.20 | 1 | 53.5 | 56.0 | 5 |
| 3.0SMCJ30A | HFK | 30.0 | 33.30 | 38.30 | 1 | 48.4 | 62.0 | 5 |
| 3.0SMCJ33 | HFL | 33.0 | 36.70 | 46.50 | 1 | 59.0 | 50.4 | 5 |
| 3.0SMCJ33A | HFM | 33.0 | 36.70 | 42.20 | 1 | 53.3 | 56.2 | 5 |
| 3.0SMCJ36 | HFN | 36.0 | 40.00 | 50.70 | 1 | 64.3 | 46.6 | 5 |
| 3.0SMCJ36A | HFP | 36.0 | 40.00 | 46.00 | 1 | 58.1 | 51.6 | 5 |
| 3.0SMCJ40 | HFQ | 40.0 | 44.40 | 56.30 | 1 | 71.4 | 42.0 | 5 |
| 3.0SMCJ40A | HFR | 40.0 | 44.40 | 51.10 | 1 | 64.5 | 46.4 | 5 |
| 3.0SMCJ43 | HFS | 43.0 | 47.80 | 60.50 | 1 | 76.7 | 39.2 | 5 |
| 3.0SMCJ43A | HFT | 43.0 | 47.80 | 54.90 | 1 | 69.4 | 43.2 | 5 |
| 3.0SMCJ45 | HFU | 45.0 | 50.00 | 63.30 | 1 | 80.3 | 37.4 | 5 |
| 3.0SMCJ45A | HFV | 45.0 | 50.00 | 57.50 | 1 | 72.7 | 41.2 | 5 |
| 3.0SMCJ48 | HFW | 48.0 | 53.30 | 67.50 | 1 | 85.5 | 35.0 | 5 |
| 3.0SMCJ48A | HFX | 48.0 | 53.30 | 61.30 | 1 | 77.4 | 38.8 | 5 |
| 3.0SMCJ51 | HFY | 51.0 | 56.70 | 71.80 | 1 | 91.1 | 37.0 | 5 |
| 3.0SMCJ51A | HFZ | 51.0 | 56.70 | 65.20 | 1 | 82.4 | 36.4 | 5 |
| 3.0SMCJ54 | HGD | 54.0 | 60.00 | 76.00 | 1 | 96.3 | 31.2 | 5 |
| 3.0SMCJ54A | HGE | 54.0 | 60.00 | 69.00 | 1 | 87.1 | 34.4 | 5 |
| 3.0SMCJ58 | HGF | 58.0 | 64.40 | 81.60 | 1 | 103.0 | 39.2 | 5 |
| 3.0SMCJ58A | HGG | 58.0 | 64.40 | 74.10 | 1 | 93.6 | 32.0 | 5 |
| 3.0SMCJ60 | HGH | 60.0 | 66.70 | 84.50 | 1 | 107.0 | 28.0 | 5 |
| 3.0SMCJ60A | HGK | 60.0 | 66.70 | 76.70 | 1 | 96.8 | 31.0 | 5 |
| 3.0SMCJ64 | HGL | 64.0 | 71.10 | 90.10 | 1 | 114.0 | 26.4 | 5 |
| 3.0SMCJ64A | HGM | 64.0 | 71.10 | 81.80 | 1 | 103.0 | 29.2 | 5 |
| 3.0SMCJ70 | HGN | 70.0 | 77.80 | 98.60 | 1 | 125.0 | 24.0 | 5 |
| 3.0SMCJ70A | HGP | 70.0 | 77.80 | 89.50 | 1 | 113.0 | 26.6 | 5 |
| 3.0SMCJ75 | HGQ | 75.0 | 83.30 | 105.70 | 1 | 134.0 | 22.4 | 5 |
| 3.0SMCJ75A | HGR | 75.0 | 83.30 | 95.80 | 1 | 121.0 | 24.8 | 5 |
| 3.0SMCJ78 | HGS | 78.0 | 86.70 | 109.80 | 1 | 139.0 | 21.6 | 5 |
| 3.0SMCJ78A | HGT | 78.0 | 86.70 | 99.70 | 1 | 126.0 | 22.8 | 5 |
| 3.0SMCJ85 | HGU | 85.0 | 94.40 | 119.20 | 1 | 151.0 | 19.8 | 5 |
| 3.0SMCJ85A | HGV | 85.0 | 94.40 | 108.20 | 1 | 137.0 | 20.8 | 5 |
| 3.0SMCJ90 | HGW | 90.0 | 100.00 | 126.50 | 1 | 160.0 | 18.8 | 5 |
| 3.0SMCJ90A | HGX | 90.0 | 100.00 | 115.50 | 1 | 146.0 | 20.6 | 5 |
| 3.0SMCJ100 | HGY | 100.0 | 111.00 | 141.00 | 1 | 179.0 | 16.8 | 5 |
| 3.0SMCJ100A | HGZ | 100.0 | 111.00 | 128.00 | 1 | 162.0 | 18.6 | 5 |
| 3.0SMCJ110 | HHD | 110.0 | 122.00 | 154.50 | 1 | 196.0 | 15.4 | 5 |
| 3.0SMCJ110A | HHE | 110.0 | 122.00 | 140.50 | 1 | 177.0 | 16.8 | 5 |
| 3.0SMCJ120 | HHF | 120.0 | 133.00 | 169.00 | 1 | 214.0 | 14.0 | 5 |
| 3.0SMCJ120A | HHG | 120.0 | 133.00 | 153.00 | 1 | 193.0 | 15.6 | 5 |
| 3.0SMCJ130 | HHH | 130.0 | 144.00 | 182.50 | 1 | 231.0 | 13.0 | 5 |
| 3.0SMCJ130A | HHK | 130.0 | 144.00 | 165.50 | 1 | 208.0 | 14.4 | 5 |
| 3.0SMCJ150 | HHL | 150.0 | 167.00 | 211.50 | 1 | 268.0 | 11.2 | 5 |
| 3.0SMCJ150A | HHM | 150.0 | 167.00 | 192.50 | 1 | 243.0 | 12.4 | 5 |
| 3.0SMCJ160 | HHN | 160.0 | 178.00 | 226.00 | 1 | 287.0 | 10.4 | 5 |
| 3.0SMCJ160A | HHP | 160.0 | 178.00 | 205.00 | 1 | 259.0 | 11.6 | 5 |
| 3.0SMCJ170 | HHQ | 170.0 | 189.00 | 239.50 | 1 | 304.0 | 9.8 | 5 |
| 3.0SMCJ170A | HHR | 170.0 | 189.00 | 217.50 | 1 | 275.0 | 11.0 | 5 |



3000 Watt Surface Mount TVS

| BI-DIRECTIONAL PART NUMBER | 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 | 5.0 | 6.40 | 7.55 | 10 | 9.6 | 312.5 | 2000 |
| 3.0SMCJ5.0CA | IDE | 5.0 | 6.40 | 7.25 | 10 | 9.2 | 326.0 | 2000 |
| 3.0SMCJ6.0C | IDF | 6.0 | 6.67 | 8.45 | 10 | 11.4 | 263.2 | 2000 |
| 3.0SMCJ6.0CA | IDG | 6.0 | 6.67 | 7.67 | 10 | 10.3 | 291.3 | 2000 |
| 3.0SMCJ6.5C | IDH | 6.5 | 7.22 | 9.14 | 10 | 12.3 | 243.9 | 1000 |
| 3.0SMCJ6.5CA | IDK | 6.5 | 7.22 | 8.30 | 10 | 11.2 | 267.9 | 1000 |
| 3.0SMCJ7.0C | IDL | 7.0 | 7.78 | 9.86 | 10 | 13.3 | 225.6 | 400 |
| 3.0SMCJ7.0CA | IDM | 7.0 | 7.78 | 8.95 | 10 | 12.0 | 250.0 | 400 |
| 3.0SMCJ7.5C | IDN | 7.5 | 8.33 | 10.67 | 1 | 14.3 | 209.8 | 200 |
| 3.0SMCJ7.5CA | IDP | 7.5 | 8.33 | 9.58 | 1 | 12.9 | 232.6 | 200 |
| 3.0SMCJ8.0C | IDQ | 8.0 | 8.89 | 11.30 | 1 | 15.0 | 200.0 | 100 |
| 3.0SMCJ8.0CA | IDR | 8.0 | 8.89 | 10.23 | 1 | 13.6 | 220.6 | 100 |
| 3.0SMCJ8.5C | IDS | 8.5 | 9.44 | 11.92 | 1 | 15.9 | 158.8 | 50 |
| 3.0SMCJ8.5CA | IDT | 8.5 | 9.44 | 10.82 | 1 | 14.4 | 208.4 | 50 |
| 3.0SMCJ9.0C | IDU | 9.0 | 10.00 | 12.60 | 1 | 16.9 | 177.4 | 20 |
| 3.0SMCJ9.0CA | IDV | 9.0 | 10.00 | 11.50 | 1 | 15.4 | 194.8 | 20 |
| 3.0SMCJ10C | IDW | 10.0 | 11.10 | 14.10 | 1 | 18.8 | 159.6 | 5 |
| 3.0SMCJ10CA | IDX | 10.0 | 11.10 | 12.80 | 1 | 17.0 | 176.4 | 5 |
| 3.0SMCJ11C | IDY | 11.0 | 12.20 | 15.40 | 1 | 20.1 | 149.2 | 5 |
| 3.0SMCJ11CA | IDZ | 11.0 | 12.20 | 14.00 | 1 | 18.2 | 184.8 | 5 |
| 3.0SMCJ12C | IED | 12.0 | 13.30 | 16.90 | 1 | 22.0 | 136.4 | 5 |
| 3.0SMCJ12CA | IEE | 12.0 | 13.30 | 15.30 | 1 | 19.9 | 150.6 | 5 |
| 3.0SMCJ13C | IEF | 13.0 | 14.40 | 18.20 | 1 | 23.8 | 126.0 | 5 |
| 3.0SMCJ13CA | IEG | 13.0 | 14.40 | 16.50 | 1 | 21.5 | 139.4 | 5 |
| 3.0SMCJ14C | IEH | 14.0 | 15.60 | 19.80 | 1 | 25.8 | 116.2 | 5 |
| 3.0SMCJ14CA | IEK | 14.0 | 15.60 | 17.90 | 1 | 23.2 | 129.4 | 5 |
| 3.0SMCJ15C | IEL | 15.0 | 16.70 | 21.10 | 1 | 26.9 | 111.6 | 5 |
| 3.0SMCJ15CA | IEM | 15.0 | 16.70 | 19.20 | 1 | 24.4 | 123.0 | 5 |
| 3.0SMCJ16C | IEN | 16.0 | 17.80 | 22.60 | 1 | 28.8 | 104.2 | 5 |
| 3.0SMCJ16CA | IEP | 16.0 | 17.80 | 20.50 | 1 | 26.0 | 115.4 | 5 |
| 3.0SMCJ17C | IEQ | 17.0 | 18.90 | 23.90 | 1 | 30.5 | 98.4 | 5 |
| 3.0SMCJ17CA | IER | 17.0 | 18.90 | 21.70 | 1 | 27.6 | 106.6 | 5 |
| 3.0SMCJ18C | IES | 18.0 | 20.00 | 25.30 | 1 | 32.2 | 83.2 | 5 |
| 3.0SMCJ18CA | IEI | 18.0 | 20.00 | 23.00 | 1 | 29.2 | 102.8 | 5 |
| 3.0SMCJ20C | IEU | 20.0 | 22.20 | 28.10 | 1 | 35.8 | 83.8 | 5 |
| 3.0SMCJ20CA | IEV | 20.0 | 22.20 | 25.50 | 1 | 32.4 | 92.6 | 5 |
| 3.0SMCJ22C | IEW | 22.0 | 24.40 | 30.90 | 1 | 39.4 | 76.2 | 5 |
| 3.0SMCJ22CA | IEX | 22.0 | 24.40 | 28.00 | 1 | 35.5 | 84.4 | 5 |
| 3.0SMCJ24C | IEY | 24.0 | 26.70 | 33.80 | 1 | 43.0 | 69.8 | 5 |
| 3.0SMCJ24CA | IEZ | 24.0 | 26.70 | 30.70 | 1 | 38.9 | 77.2 | 5 |
| 3.0SMCJ26C | IFD | 26.0 | 28.90 | 36.60 | 1 | 46.6 | 64.4 | 5 |
| 3.0SMCJ26CA | IFE | 26.0 | 28.90 | 33.20 | 1 | 42.1 | 71.2 | 5 |
| 3.0SMCJ28C | IFF | 28.0 | 31.10 | 39.40 | 1 | 50.0 | 60.0 | 5 |
| 3.0SMCJ28CA | IFG | 28.0 | 31.10 | 35.80 | 1 | 45.4 | 66.0 | 5 |
| 3.0SMCJ30C | IFH | 30.0 | 33.30 | 42.20 | 1 | 53.5 | 56.0 | 5 |
| 3.0SMCJ30CA | IFK | 30.0 | 33.30 | 38.30 | 1 | 48.4 | 62.0 | 5 |
| 3.0SMCJ33C | IFL | 33.0 | 36.70 | 46.50 | 1 | 59.0 | 50.4 | 5 |
| 3.0SMCJ33CA | IFM | 33.0 | 36.70 | 42.20 | 1 | 53.3 | 56.2 | 5 |
| 3.0SMCJ36C | IFN | 36.0 | 40.00 | 50.70 | 1 | 64.3 | 46.6 | 5 |
| 3.0SMCJ36CA | IFP | 36.0 | 40.00 | 46.00 | 1 | 58.1 | 51.6 | 5 |
| 3.0SMCJ40C | IFQ | 40.0 | 44.40 | 56.30 | 1 | 71.4 | 42.0 | 5 |
| 3.0SMCJ40CA | IFR | 40.0 | 44.40 | 51.10 | 1 | 64.5 | 46.4 | 5 |
| 3.0SMCJ43C | IFS | 43.0 | 47.80 | 60.50 | 1 | 76.7 | 39.2 | 5 |
| 3.0SMCJ43CA | IFT | 43.0 | 47.80 | 54.90 | 1 | 69.4 | 43.2 | 5 |
| 3.0SMCJ45C | IFU | 45.0 | 50.00 | 63.30 | 1 | 80.3 | 37.4 | 5 |
| 3.0SMCJ45CA | IFV | 45.0 | 50.00 | 57.50 | 1 | 72.7 | 41.2 | 5 |
| 3.0SMCJ48C | IFW | 48.0 | 53.30 | 67.60 | 1 | 85.5 | 35.0 | 5 |
| 3.0SMCJ48CA | IFX | 48.0 | 53.30 | 61.30 | 1 | 77.4 | 38.8 | 5 |
| 3.0SMCJ51C | IFY | 51.0 | 56.70 | 71.80 | 1 | 91.1 | 37.0 | 5 |
| 3.0SMCJ51CA | IFZ | 51.0 | 56.70 | 65.20 | 1 | 82.4 | 36.4 | 5 |
| 3.0SMCJ54C | IGD | 54.0 | 60.00 | 76.00 | 1 | 96.3 | 31.2 | 5 |
| 3.0SMCJ54CA | IGE | 54.0 | 60.00 | 69.00 | 1 | 87.1 | 34.4 | 5 |
| 3.0SMCJ58C | IGF | 58.0 | 64.40 | 81.60 | 1 | 103.0 | 39.2 | 5 |
| 3.0SMCJ58CA | IGG | 58.0 | 64.40 | 74.10 | 1 | 93.6 | 32.0 | 5 |
| 3.0SMCJ60C | IGH | 60.0 | 66.70 | 84.50 | 1 | 107.0 | 28.0 | 5 |
| 3.0SMCJ60CA | IGK | 60.0 | 66.70 | 76.70 | 1 | 96.8 | 31.0 | 5 |
| 3.0SMCJ64C | IGL | 64.0 | 71.10 | 90.10 | 1 | 114.0 | 26.4 | 5 |
| 3.0SMCJ64CA | IGM | 64.0 | 71.10 | 81.80 | 1 | 103.0 | 29.2 | 5 |
| 3.0SMCJ70C | IGN | 70.0 | 77.80 | 98.60 | 1 | 125.0 | 24.0 | 5 |
| 3.0SMCJ70CA | IGP | 70.0 | 77.80 | 89.50 | 1 | 113.0 | 26.6 | 5 |
| 3.0SMCJ75C | IGQ | 75.0 | 83.30 | 105.70 | 1 | 134.0 | 22.4 | 5 |
| 3.0SMCJ75CA | IGR | 75.0 | 83.30 | 95.80 | 1 | 121.0 | 24.8 | 5 |
| 3.0SMCJ78C | IGS | 78.0 | 86.70 | 109.60 | 1 | 139.0 | 21.6 | 5 |
| 3.0SMCJ78CA | IGT | 78.0 | 86.70 | 99.70 | 1 | 126.0 | 22.8 | 5 |
| 3.0SMCJ85C | IGU | 85.0 | 94.40 | 119.20 | 1 | 151.0 | 19.8 | 5 |
| 3.0SMCJ85CA | IGV | 85.0 | 94.40 | 108.20 | 1 | 137.0 | 20.8 | 5 |
| 3.0SMCJ90C | IGW | 90.0 | 100.00 | 126.60 | 1 | 160.0 | 18.8 | 5 |
| 3.0SMCJ90CA | IGX | 90.0 | 100.00 | 115.50 | 1 | 146.0 | 20.6 | 5 |
| 3.0SMCJ100C | IGY | 100.0 | 111.00 | 141.00 | 1 | 179.0 | 16.6 | 5 |
| 3.0SMCJ100CA | IGZ | 100.0 | 111.00 | 128.00 | 1 | 162.0 | 18.6 | 5 |
| 3.0SMCJ110C | IHD | 110.0 | 122.00 | 154.50 | 1 | 196.0 | 15.4 | 5 |
| 3.0SMCJ110CA | IHE | 110.0 | 122.00 | 140.50 | 1 | 177.0 | 16.8 | 5 |
| 3.0SMCJ120C | IHF | 120.0 | 133.00 | 169.00 | 1 | 214.0 | 14.0 | 5 |
| 3.0SMCJ120CA | IHG | 120.0 | 133.00 | 153.00 | 1 | 193.0 | 15.6 | 5 |
| 3.0SMCJ130C | IHH | 130.0 | 144.00 | 182.50 | 1 | 231.0 | 13.0 | 5 |
| 3.0SMCJ130CA | IHK | 130.0 | 144.00 | 165.50 | 1 | 209.0 | 14.4 | 5 |
| 3.0SMCJ150C | IHL | 150.0 | 167.00 | 211.50 | 1 | 268.0 | 11.2 | 5 |
| 3.0SMCJ150CA | IHM | 150.0 | 167.00 | 192.50 | 1 | 243.0 | 12.4 | 5 |
| 3.0SMCJ160C | IHN | 160.0 | 178.00 | 226.00 | 1 | 287.0 | 10.4 | 5 |
| 3.0SMCJ160CA | IHP | 160.0 | 178.00 | 205.00 | 1 | 259.0 | 11.6 | 5 |
| 3.0SMCJ170C | IHO | 170.0 | 189.00 | 239.50 | 1 | 304.0 | 9.8 | 5 |
| 3.0SMCJ170CA | IHR | 170.0 | 189.00 | 217.50 | 1 | 275.0 | 11.0 | 5 |