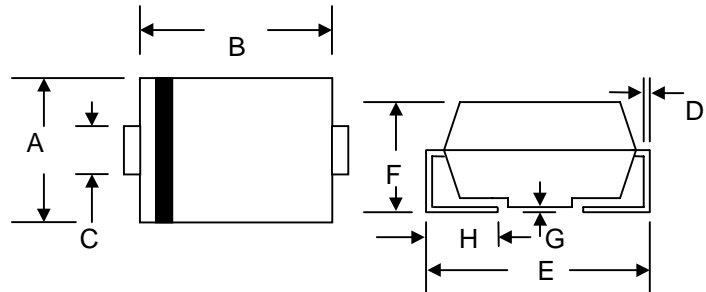


### Features

- 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



### 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.)

| SMC/DO-214AB         |       |       |
|----------------------|-------|-------|
| Dim                  | Min   | Max   |
| A                    | 5.59  | 6.22  |
| B                    | 6.60  | 7.11  |
| C                    | 2.92  | 3.07  |
| D                    | 0.152 | 0.305 |
| E                    | 7.75  | 8.13  |
| F                    | 2.00  | 2.62  |
| G                    | 0.051 | 0.203 |
| H                    | 0.76  | 1.27  |
| All Dimensions in mm |       |       |

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

### Maximum Ratings and Electrical Characteristics @ $T_A=25^\circ\text{C}$ unless otherwise specified

| Characteristic   | Symbol         | Value        | Unit             |
|--|----------------|--------------|------------------|
| Peak Pulse Power Dissipation 10/1000 $\mu\text{s}$ Waveform (Note 1, 2) Figure 3                             | PPPM           | 3000 Minimum | W                |
| Peak Pulse Current on 10/1000 $\mu\text{s}$ Waveform (Note 1) Figure 4                                       | IPPM           | See Table 1  | A                |
| Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method) (Note 2, 3) | IFSM           | 100          | A                |
| Operating and Storage Temperature Range  | $T_j, T_{STG}$ | -55 to +150  | $^\circ\text{C}$ |

- Note: 1. Non-repetitive current pulse, per Figure 4 and derated above  $T_A = 25^\circ\text{C}$  per Figure 1.  
 2. Mounted on 8.0mm<sup>2</sup> 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

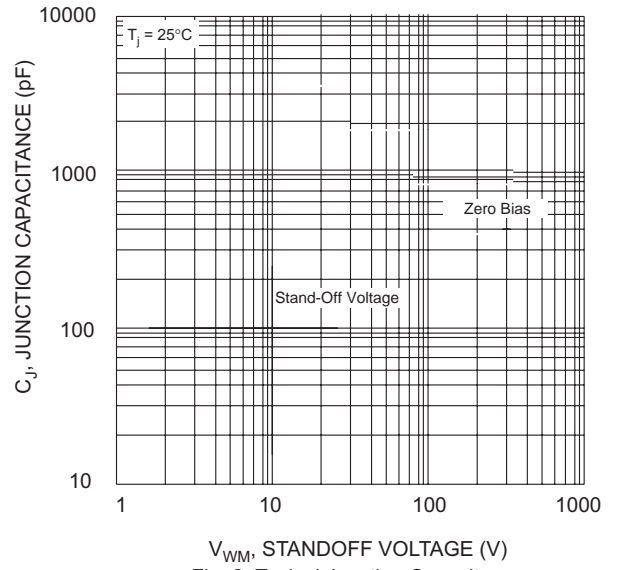


Fig. 2 Typical Junction Capacitance



Fig. 3 Pulse Rating Curve

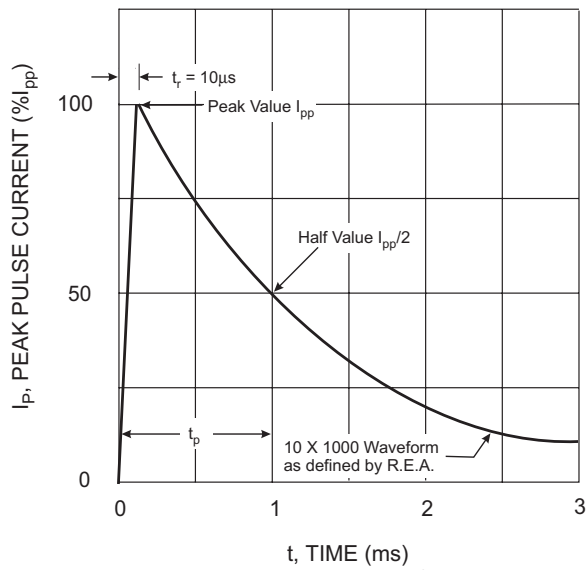


Fig. 4 Pulse Waveform

# 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. @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                 | 5.00                               | 6.40                               | 7.55                               | 10                   | 9.6                                  | 312.5                      | 1000                          |
| 3.0SMCJ5.0A              | HDE                 | 5.00                               | 6.40                               | 7.25                               | 10                   | 9.2                                  | 326.0                      | 1000                          |
| 3.0SMCJ6.0               | HDF                 | 6.00                               | 6.67                               | 8.45                               | 10                   | 11.4                                 | 263.2                      | 1000                          |
| 3.0SMCJ6.0A              | HDG                 | 6.00                               | 6.67                               | 7.67                               | 10                   | 10.3                                 | 291.3                      | 1000                          |
| 3.0SMCJ6.5               | HDH                 | 6.50                               | 7.22                               | 9.14                               | 10                   | 12.3                                 | 243.9                      | 500                           |
| 3.0SMCJ6.5A              | HDK                 | 6.50                               | 7.22                               | 8.30                               | 10                   | 11.2                                 | 267.9                      | 500                           |
| 3.0SMCJ7.0               | HDL                 | 7.00                               | 7.78                               | 9.86                               | 10                   | 13.3                                 | 225.6                      | 200                           |
| 3.0SMCJ7.0A              | HDM                 | 7.00                               | 7.78                               | 8.95                               | 10                   | 12.0                                 | 250.0                      | 200                           |
| 3.0SMCJ7.5               | HDN                 | 7.50                               | 8.33                               | 10.67                              | 1                    | 14.3                                 | 209.8                      | 100                           |
| 3.0SMCJ7.5A              | HDP                 | 7.50                               | 8.33                               | 9.58                               | 1                    | 12.9                                 | 232.6                      | 100                           |
| 3.0SMCJ8.0               | HDQ                 | 8.00                               | 8.99                               | 11.30                              | 1                    | 15.0                                 | 220.0                      | 50                            |
| 3.0SMCJ8.0A              | HDR                 | 8.00                               | 8.99                               | 10.23                              | 1                    | 13.6                                 | 220.6                      | 50                            |
| 3.0SMCJ8.5               | HDS                 | 8.50                               | 9.44                               | 11.92                              | 1                    | 15.9                                 | 188.8                      | 25                            |
| 3.0SMCJ8.5A              | HDT                 | 8.50                               | 9.44                               | 10.82                              | 1                    | 14.4                                 | 208.4                      | 25                            |
| 3.0SMCJ9.0               | HDU                 | 9.00                               | 10.00                              | 12.60                              | 1                    | 16.9                                 | 177.4                      | 10                            |
| 3.0SMCJ9.0A              | HDV                 | 9.00                               | 10.00                              | 11.50                              | 1                    | 15.4                                 | 194.8                      | 10                            |
| 3.0SMCJ10                | HDW                 | 10.00                              | 11.10                              | 14.10                              | 1                    | 18.8                                 | 159.6                      | 5                             |
| 3.0SMCJ10A               | HDX                 | 10.00                              | 11.10                              | 12.80                              | 1                    | 17.0                                 | 176.4                      | 5                             |
| 3.0SMCJ11                | HDY                 | 11.00                              | 12.20                              | 15.40                              | 1                    | 20.1                                 | 149.2                      | 5                             |
| 3.0SMCJ11A               | HDZ                 | 11.00                              | 12.20                              | 14.00                              | 1                    | 18.2                                 | 184.8                      | 5                             |
| 3.0SMCJ12                | HED                 | 12.00                              | 13.30                              | 16.90                              | 1                    | 22.0                                 | 136.4                      | 5                             |
| 3.0SMCJ12A               | HEE                 | 12.00                              | 13.30                              | 15.30                              | 1                    | 19.9                                 | 150.6                      | 5                             |
| 3.0SMCJ13                | HEF                 | 13.00                              | 14.40                              | 18.20                              | 1                    | 23.8                                 | 126.0                      | 5                             |
| 3.0SMCJ13A               | HEG                 | 13.00                              | 14.40                              | 16.50                              | 1                    | 21.5                                 | 139.4                      | 5                             |
| 3.0SMCJ14                | HEH                 | 14.00                              | 15.60                              | 19.80                              | 1                    | 25.8                                 | 116.2                      | 5                             |
| 3.0SMCJ14A               | HEK                 | 14.00                              | 15.60                              | 17.90                              | 1                    | 23.2                                 | 129.4                      | 5                             |
| 3.0SMCJ15                | HEL                 | 15.00                              | 16.70                              | 21.10                              | 1                    | 26.9                                 | 111.6                      | 5                             |
| 3.0SMCJ15A               | HEM                 | 15.00                              | 16.70                              | 19.20                              | 1                    | 24.4                                 | 123.0                      | 5                             |
| 3.0SMCJ16                | HEN                 | 16.00                              | 17.80                              | 22.60                              | 1                    | 28.8                                 | 104.2                      | 5                             |
| 3.0SMCJ16A               | HEP                 | 16.00                              | 17.80                              | 20.50                              | 1                    | 26.0                                 | 115.4                      | 5                             |
| 3.0SMCJ17                | HEQ                 | 17.00                              | 18.90                              | 23.90                              | 1                    | 30.5                                 | 98.4                       | 5                             |
| 3.0SMCJ17A               | HER                 | 17.00                              | 18.90                              | 21.70                              | 1                    | 27.6                                 | 106.6                      | 5                             |
| 3.0SMCJ18                | HES                 | 18.00                              | 20.00                              | 25.30                              | 1                    | 32.2                                 | 93.2                       | 5                             |
| 3.0SMCJ18A               | HET                 | 18.00                              | 20.00                              | 23.30                              | 1                    | 29.2                                 | 102.8                      | 5                             |
| 3.0SMCJ20                | HEU                 | 20.00                              | 22.20                              | 28.10                              | 1                    | 35.8                                 | 83.8                       | 5                             |
| 3.0SMCJ20A               | HEV                 | 20.00                              | 22.20                              | 25.50                              | 1                    | 32.4                                 | 92.6                       | 5                             |
| 3.0SMCJ22                | HEW                 | 22.00                              | 24.40                              | 30.90                              | 1                    | 39.4                                 | 76.2                       | 5                             |
| 3.0SMCJ22A               | HEX                 | 22.00                              | 24.40                              | 28.00                              | 1                    | 35.5                                 | 84.4                       | 5                             |
| 3.0SMCJ24                | HEY                 | 24.00                              | 26.70                              | 33.80                              | 1                    | 43.0                                 | 69.8                       | 5                             |
| 3.0SMCJ24A               | HEZ                 | 24.00                              | 26.70                              | 30.70                              | 1                    | 38.9                                 | 77.2                       | 5                             |
| 3.0SMCJ26                | HFD                 | 26.00                              | 28.90                              | 36.60                              | 1                    | 46.6                                 | 64.4                       | 5                             |
| 3.0SMCJ26A               | HFE                 | 26.00                              | 28.90                              | 33.20                              | 1                    | 42.1                                 | 71.2                       | 5                             |
| 3.0SMCJ28                | HFF                 | 28.00                              | 31.10                              | 39.40                              | 1                    | 50.0                                 | 60.0                       | 5                             |
| 3.0SMCJ28A               | HFG                 | 28.00                              | 31.10                              | 35.80                              | 1                    | 45.4                                 | 66.0                       | 5                             |
| 3.0SMCJ30                | HFH                 | 30.00                              | 33.30                              | 42.20                              | 1                    | 53.5                                 | 56.0                       | 5                             |
| 3.0SMCJ30A               | HFK                 | 30.00                              | 33.30                              | 38.30                              | 1                    | 48.4                                 | 62.0                       | 5                             |
| 3.0SMCJ33                | HFL                 | 33.00                              | 36.70                              | 46.50                              | 1                    | 59.0                                 | 50.4                       | 5                             |
| 3.0SMCJ33A               | HFM                 | 33.00                              | 36.70                              | 42.20                              | 1                    | 53.3                                 | 56.2                       | 5                             |
| 3.0SMCJ36                | HFN                 | 36.00                              | 40.00                              | 50.70                              | 1                    | 64.3                                 | 46.6                       | 5                             |
| 3.0SMCJ36A               | HFP                 | 36.00                              | 40.00                              | 46.00                              | 1                    | 58.1                                 | 51.6                       | 5                             |
| 3.0SMCJ40                | HFQ                 | 40.00                              | 44.40                              | 56.30                              | 1                    | 71.4                                 | 42.0                       | 5                             |
| 3.0SMCJ40A               | HFR                 | 40.00                              | 44.40                              | 51.10                              | 1                    | 64.5                                 | 46.4                       | 5                             |
| 3.0SMCJ43                | HFS                 | 43.00                              | 47.80                              | 60.50                              | 1                    | 76.6                                 | 39.2                       | 5                             |
| 3.0SMCJ43A               | HFT                 | 43.00                              | 47.80                              | 54.90                              | 1                    | 69.4                                 | 43.2                       | 5                             |
| 3.0SMCJ45                | HFU                 | 45.00                              | 50.00                              | 63.30                              | 1                    | 80.3                                 | 37.4                       | 5                             |
| 3.0SMCJ45A               | HFV                 | 45.00                              | 50.00                              | 57.50                              | 1                    | 72.7                                 | 41.2                       | 5                             |
| 3.0SMCJ48                | HFW                 | 48.00                              | 53.30                              | 67.50                              | 1                    | 85.5                                 | 35.0                       | 5                             |
| 3.0SMCJ48A               | HFY                 | 48.00                              | 53.30                              | 61.30                              | 1                    | 77.4                                 | 38.8                       | 5                             |
| 3.0SMCJ51                | HFZ                 | 51.00                              | 56.70                              | 71.80                              | 1                    | 91.1                                 | 37.0                       | 5                             |
| 3.0SMCJ51A               | HFZ                 | 51.00                              | 56.70                              | 65.20                              | 1                    | 82.4                                 | 36.4                       | 5                             |
| 3.0SMCJ54                | HGD                 | 54.00                              | 60.00                              | 76.00                              | 1                    | 96.3                                 | 31.2                       | 5                             |
| 3.0SMCJ54A               | HGE                 | 54.00                              | 60.00                              | 69.00                              | 1                    | 87.1                                 | 34.4                       | 5                             |
| 3.0SMCJ58                | HGF                 | 58.00                              | 64.40                              | 81.60                              | 1                    | 103.0                                | 29.2                       | 5                             |
| 3.0SMCJ58A               | HGG                 | 58.00                              | 64.40                              | 74.10                              | 1                    | 93.6                                 | 32.0                       | 5                             |
| 3.0SMCJ60                | HGH                 | 60.00                              | 66.70                              | 84.50                              | 1                    | 107.0                                | 28.0                       | 5                             |
| 3.0SMCJ60A               | HGK                 | 60.00                              | 66.70                              | 76.70                              | 1                    | 96.8                                 | 31.0                       | 5                             |
| 3.0SMCJ64                | HGL                 | 64.00                              | 71.10                              | 90.10                              | 1                    | 114.0                                | 26.4                       | 5                             |
| 3.0SMCJ64A               | HGM                 | 64.00                              | 71.10                              | 81.80                              | 1                    | 103.0                                | 29.2                       | 5                             |
| 3.0SMCJ70                | HGN                 | 70.00                              | 77.80                              | 98.60                              | 1                    | 125.0                                | 24.0                       | 5                             |
| 3.0SMCJ70A               | HGP                 | 70.00                              | 77.80                              | 89.50                              | 1                    | 113.0                                | 26.6                       | 5                             |
| 3.0SMCJ75                | HGQ                 | 75.00                              | 83.30                              | 105.70                             | 1                    | 134.0                                | 22.4                       | 5                             |
| 3.0SMCJ75A               | HGR                 | 75.00                              | 83.30                              | 95.80                              | 1                    | 121.0                                | 24.8                       | 5                             |
| 3.0SMCJ78                | HGS                 | 78.00                              | 86.70                              | 109.80                             | 1                    | 139.0                                | 21.6                       | 5                             |
| 3.0SMCJ78A               | HGT                 | 78.00                              | 86.70                              | 99.70                              | 1                    | 126.0                                | 22.8                       | 5                             |
| 3.0SMCJ85                | HGU                 | 85.00                              | 94.40                              | 119.20                             | 1                    | 151.0                                | 19.8                       | 5                             |
| 3.0SMCJ85A               | HGV                 | 85.00                              | 94.40                              | 108.20                             | 1                    | 137.0                                | 20.8                       | 5                             |
| 3.0SMCJ90                | HGW                 | 90.00                              | 100.00                             | 126.50                             | 1                    | 160.0                                | 18.8                       | 5                             |
| 3.0SMCJ90A               | HGX                 | 90.00                              | 100.00                             | 115.50                             | 1                    | 146.0                                | 20.6                       | 5                             |
| 3.0SMCJ100               | HGY                 | 100.00                             | 111.00                             | 141.00                             | 1                    | 179.0                                | 16.6                       | 5                             |
| 3.0SMCJ100A              | HGZ                 | 100.00                             | 111.00                             | 128.00                             | 1                    | 162.0                                | 18.6                       | 5                             |
| 3.0SMCJ110               | HHD                 | 110.00                             | 122.00                             | 154.50                             | 1                    | 196.0                                | 15.4                       | 5                             |
| 3.0SMCJ110A              | HHE                 | 110.00                             | 122.00                             | 140.50                             | 1                    | 177.0                                | 16.8                       | 5                             |
| 3.0SMCJ120               | HHF                 | 120.00                             | 133.00                             | 169.00                             | 1                    | 214.0                                | 14.0                       | 5                             |
| 3.0SMCJ120A              | HHG                 | 120.00                             | 133.00                             | 153.00                             | 1                    | 193.0                                | 15.6                       | 5                             |
| 3.0SMCJ130               | HHH                 | 130.00                             | 144.00                             | 182.50                             | 1                    | 231.0                                | 13.0                       | 5                             |
| 3.0SMCJ130A              | HHK                 | 130.00                             | 144.00                             | 165.50                             | 1                    | 209.0                                | 14.4                       | 5                             |
| 3.0SMCJ150               | HHL                 | 150.00                             | 167.00                             | 211.50                             | 1                    | 269.0                                | 11.2                       | 5                             |
| 3.0SMCJ150A              | HHM                 | 150.00                             | 167.00                             | 192.50                             | 1                    | 243.0                                | 12.4                       | 5                             |
| 3.0SMCJ160               | HHN                 | 160.00                             | 178.00                             | 226.00                             | 1                    | 287.0                                | 10.4                       | 5                             |
| 3.0SMCJ160A              | HHP                 | 160.00                             | 178.00                             | 205.00                             | 1                    | 259.0                                | 11.6                       | 5                             |
| 3.0SMCJ170               | HHQ                 | 170.00                             | 189.00                             | 239.50                             | 1                    | 304.0                                | 9.8                        | 5                             |
| 3.0SMCJ170A              | HHR                 | 170.00                             | 189.00                             | 217.50                             | 1                    | 275.0                                | 11.0                       | 5                             |

## 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                 | 5.00                               | 6.40                               | 7.55                               | 10                   | 9.6                                  | 312.5                      | 2000                          |
| 3.0SMCJ5.0CA            | IDE                 | 5.00                               | 6.40                               | 7.25                               | 10                   | 9.2                                  | 326.0                      | 2000                          |
| 3.0SMCJ6.0C             | IDF                 | 6.00                               | 6.67                               | 8.45                               | 10                   | 11.4                                 | 263.2                      | 2000                          |
| 3.0SMCJ6.0CA            | IDG                 | 6.00                               | 6.67                               | 7.67                               | 10                   | 10.3                                 | 291.3                      | 2000                          |
| 3.0SMCJ6.5C             | IDH                 | 6.50                               | 7.22                               | 9.14                               | 10                   | 12.3                                 | 243.9                      | 1000                          |
| 3.0SMCJ6.5CA            | IDK                 | 6.50                               | 7.22                               | 8.30                               | 10                   | 11.2                                 | 267.9                      | 1000                          |
| 3.0SMCJ7.0C             | IDL                 | 7.00                               | 7.78                               | 9.86                               | 10                   | 13.3                                 | 225.6                      | 400                           |
| 3.0SMCJ7.0CA            | IDM                 | 7.00                               | 7.78                               | 8.95                               | 10                   | 12.0                                 | 250.0                      | 400                           |
| 3.0SMCJ7.5C             | IDN                 | 7.50                               | 8.33                               | 10.67                              | 1                    | 14.3                                 | 209.8                      | 200                           |
| 3.0SMCJ7.5CA            | IDP                 | 7.50                               | 8.33                               | 9.58                               | 1                    | 12.9                                 | 232.6                      | 200                           |
| 3.0SMCJ8.0C             | IDQ                 | 8.00                               | 8.99                               | 11.30                              | 1                    | 15.0                                 | 220.0                      | 100                           |
| 3.0SMCJ8.0CA            | IDR                 | 8.00                               | 8.99                               | 10.23                              | 1                    | 13.6                                 | 220.6                      | 100                           |
| 3.0SMCJ8.5C             | IDS                 | 8.50                               | 9.44                               | 11.92                              | 1                    | 15.9                                 | 188.8                      | 50                            |
| 3.0SMCJ8.5CA            | IDT                 | 8.50                               | 9.44                               | 10.82                              | 1                    | 14.4                                 | 208.4                      | 50                            |
| 3.0SMCJ9.0C             | IDU                 | 9.00                               | 10.00                              | 12.60                              | 1                    | 16.9                                 | 177.4                      | 20                            |
| 3.0SMCJ9.0CA            | IDV                 | 9.00                               | 10.00                              | 11.50                              | 1                    | 15.4                                 | 194.8                      | 20                            |
| 3.0SMCJ10C              | IDW                 | 10.00                              | 11.10                              | 14.10                              | 1                    | 18.8                                 | 159.6                      | 5                             |
| 3.0SMCJ10CA             | IDX                 | 10.00                              | 11.10                              | 12.80                              | 1                    | 17.0                                 | 176.4                      | 5                             |
| 3.0SMCJ11C              | IDY                 | 11.00                              | 12.20                              | 15.40                              | 1                    | 20.1                                 | 149.2                      | 5                             |
| 3.0SMCJ11CA             | IDZ                 | 11.00                              | 12.20                              | 14.00                              | 1                    | 18.2                                 | 184.8                      | 5                             |
| 3.0SMCJ12C              | IED                 | 12.00                              | 13.30                              | 16.90                              | 1                    | 22.0                                 | 136.4                      | 5                             |
| 3.0SMCJ12CA             | IEE                 | 12.00                              | 13.30                              | 15.30                              | 1                    | 19.9                                 | 150.6                      | 5                             |
| 3.0SMCJ13C              | IEF                 | 13.00                              | 14.40                              | 18.20                              | 1                    | 23.8                                 | 126.0                      | 5                             |
| 3.0SMCJ13CA             | IEG                 | 13.00                              | 14.40                              | 16.50                              | 1                    | 21.5                                 | 139.4                      | 5                             |
| 3.0SMCJ14C              | IEH                 | 14.00                              | 15.60                              | 19.80                              | 1                    | 25.8                                 | 116.2                      | 5                             |
| 3.0SMCJ14CA             | IEK                 | 14.00                              | 15.60                              | 17.90                              | 1                    | 23.2                                 | 129.4                      | 5                             |
| 3.0SMCJ15C              | IEL                 | 15.00                              | 16.70                              | 21.10                              | 1                    | 26.9                                 | 111.6                      | 5                             |
| 3.0SMCJ15CA             | IEM                 | 15.00                              | 16.70                              | 19.20                              | 1                    | 24.4                                 | 123.0                      | 5                             |
| 3.0SMCJ16C              | IEN                 | 16.00                              | 17.80                              | 22.60                              | 1                    | 28.8                                 | 104.2                      | 5                             |
| 3.0SMCJ16CA             | IEP                 | 16.00                              | 17.80                              | 20.50                              | 1                    | 26.0                                 | 115.4                      | 5                             |
| 3.0SMCJ17C              | IEQ                 | 17.00                              | 18.90                              | 23.90                              | 1                    | 30.5                                 | 98.4                       | 5                             |
| 3.0SMCJ17CA             | IER                 | 17.00                              | 18.90                              | 21.70                              | 1                    | 27.6                                 | 106.6                      | 5                             |
| 3.0SMCJ18C              | IES                 | 18.00                              | 20.00                              | 25.30                              | 1                    | 32.2                                 | 93.2                       | 5                             |
| 3.0SMCJ18CA             | IET                 | 18.00                              | 20.00                              | 23.30                              | 1                    | 29.2                                 | 102.8                      | 5                             |
| 3.0SMCJ20C              | IEU                 | 20.00                              | 22.20                              | 28.10                              | 1                    | 35.8                                 | 83.8                       | 5                             |
| 3.0SMCJ20CA             | IEV                 | 20.00                              | 22.20                              | 25.50                              | 1                    | 32.4                                 | 92.6                       | 5                             |
| 3.0SMCJ22C              | IEW                 | 22.00                              | 24.40                              | 30.90                              | 1                    | 39.4                                 | 76.2                       | 5                             |
| 3.0SMCJ22CA             | IEX                 | 22.00                              | 24.40                              | 28.00                              | 1                    | 35.5                                 | 84.4                       | 5                             |
| 3.0SMCJ24C              | IEY                 | 24.00                              | 26.70                              | 33.80                              | 1                    | 43.0                                 | 69.8                       | 5                             |
| 3.0SMCJ24CA             | IEZ                 | 24.00                              | 26.70                              | 30.70                              | 1                    | 38.9                                 | 77.2                       | 5                             |
| 3.0SMCJ26C              | IFD                 | 26.00                              | 28.90                              | 36.60                              | 1                    | 46.6                                 | 64.4                       | 5                             |
| 3.0SMCJ26CA             | IFE                 | 26.00                              | 28.90                              | 33.20                              | 1                    | 42.1                                 | 71.2                       | 5                             |
| 3.0SMCJ28C              | IFF                 | 28.00                              | 31.10                              | 39.40                              | 1                    | 50.0                                 | 60.0                       | 5                             |
| 3.0SMCJ28CA             | IFG                 | 28.00                              | 31.10                              | 35.80                              | 1                    | 45.4                                 | 66.0                       | 5                             |
| 3.0SMCJ30C              | IFH                 | 30.00                              | 33.30                              | 42.20                              | 1                    | 53.5                                 | 56.0                       | 5                             |
| 3.0SMCJ30CA             | IFK                 | 30.00                              | 33.30                              | 38.30                              | 1                    | 48.4                                 | 62.0                       | 5                             |
| 3.0SMCJ33C              | IFL                 | 33.00                              | 36.70                              | 46.50                              | 1                    | 59.0                                 | 50.4                       | 5                             |
| 3.0SMCJ33CA             | IFM                 | 33.00                              | 36.70                              | 42.20                              | 1                    | 53.3                                 | 56.2                       | 5                             |
| 3.0SMCJ36C              | IFN                 | 36.00                              | 40.00                              | 50.70                              | 1                    | 64.3                                 | 46.6                       | 5                             |
| 3.0SMCJ36CA             | IFP                 | 36.00                              | 40.00                              | 46.00                              | 1                    | 58.1                                 | 51.6                       | 5                             |
| 3.0SMCJ40C              | IFQ                 | 40.00                              | 44.40                              | 56.30                              | 1                    | 71.4                                 | 42.0                       | 5                             |
| 3.0SMCJ40CA             | IFR                 | 40.00                              | 44.40                              | 51.10                              | 1                    | 64.5                                 | 46.4                       | 5                             |
| 3.0SMCJ43C              | IFS                 | 43.00                              | 47.80                              | 60.50                              | 1                    | 76.6                                 | 39.2                       | 5                             |
| 3.0SMCJ43CA             | IFT                 | 43.00                              | 47.80                              | 54.90                              | 1                    | 69.4                                 | 43.2                       | 5                             |
| 3.0SMCJ45C              | IFU                 | 45.00                              | 50.00                              | 63.30                              | 1                    | 80.3                                 | 37.4                       | 5                             |
| 3.0SMCJ45CA             | IFV                 | 45.00                              | 50.00                              | 57.50                              | 1                    | 72.7                                 | 41.2                       | 5                             |
| 3.0SMCJ48C              | IFW                 | 48.00                              | 53.30                              | 67.50                              | 1                    | 85.5                                 | 35.0                       | 5                             |
| 3.0SMCJ48CA             | IFX                 | 48.00                              | 53.30                              | 61.30                              | 1                    | 77.4                                 | 38.8                       | 5                             |
| 3.0SMCJ51C              | IFY                 | 51.00                              | 56.70                              | 71.80                              | 1                    | 91.1                                 | 37.0                       | 5                             |
| 3.0SMCJ51CA             | IFZ                 | 51.00                              | 56.70                              | 65.20                              | 1                    | 82.4                                 | 36.4                       | 5                             |
| 3.0SMCJ54C              | IGD                 | 54.00                              | 60.00                              | 76.00                              | 1                    | 96.3                                 | 31.2                       | 5                             |
| 3.0SMCJ54CA             | IGE                 | 54.00                              | 60.00                              | 69.00                              | 1                    | 87.1                                 | 34.4                       | 5                             |
| 3.0SMCJ58C              | IGF                 | 58.00                              | 64.40                              | 81.60                              | 1                    | 103.0                                | 29.2                       | 5                             |
| 3.0SMCJ58CA             | IGG                 | 58.00                              | 64.40                              | 74.10                              | 1                    | 93.6                                 | 32.0                       | 5                             |
| 3.0SMCJ60C              | IGH                 | 60.00                              | 66.70                              | 84.50                              | 1                    | 107.0                                | 28.0                       | 5                             |
| 3.0SMCJ60CA             | IGK                 | 60.00                              | 66.70                              | 76.70                              | 1                    | 96.8                                 | 31.0                       | 5                             |
| 3.0SMCJ64C              | IGL                 | 64.00                              | 71.10                              | 90.10                              | 1                    | 114.0                                | 26.4                       | 5                             |
| 3.0SMCJ64CA             | IGM                 | 64.00                              | 71.10                              | 81.80                              | 1                    | 103.0                                | 29.2                       | 5                             |
| 3.0SMCJ70C              | IGN                 | 70.00                              | 77.80                              | 98.60                              | 1                    | 125.0                                | 24.0                       | 5                             |
| 3.0SMCJ70CA             | IGP                 | 70.00                              | 77.80                              | 89.50                              | 1                    | 113.0                                | 26.6                       | 5                             |
| 3.0SMCJ75C              | IGQ                 | 75.00                              | 83.30                              | 105.70                             | 1                    | 134.0                                | 22.4                       | 5                             |
| 3.0SMCJ75CA             | IGR                 | 75.00                              | 83.30                              | 95.80                              | 1                    | 121.0                                | 24.8                       | 5                             |
| 3.0SMCJ78C              | IGS                 | 78.00                              | 86.70                              | 109.80                             | 1                    | 139.0                                | 21.6                       | 5                             |
| 3.0SMCJ78CA             | IGT                 | 78.00                              | 86.70                              | 99.70                              | 1                    | 126.0                                | 22.8                       | 5                             |
| 3.0SMCJ85C              | IGU                 | 85.00                              | 94.40                              | 119.20                             | 1                    | 151.0                                | 19.8                       | 5                             |
| 3.0SMCJ85CA             | IGV                 | 85.00                              | 94.40                              | 108.20                             | 1                    | 137.0                                | 20.8                       | 5                             |
| 3.0SMCJ90C              | IGW                 | 90.00                              | 100.00                             | 126.50                             | 1                    | 160.0                                | 18.8                       | 5                             |
| 3.0SMCJ90CA             | IGX                 | 90.00                              | 100.00                             | 115.50                             | 1                    | 146.0                                | 20.6                       | 5                             |
| 3.0SMCJ100C             | IGY                 | 100.00                             | 111.00                             | 141.00                             | 1                    | 179.0                                | 16.6                       | 5                             |
| 3.0SMCJ100CA            | IGZ                 | 100.00                             | 111.00                             | 128.00                             | 1                    | 162.0                                | 18.6                       | 5                             |
| 3.0SMCJ110C             | IHD                 | 110.00                             | 122.00                             | 154.50                             | 1                    | 196.0                                | 15.4                       | 5                             |
| 3.0SMCJ110CA            | IHE                 | 110.00                             | 122.00                             | 140.50                             | 1                    | 177.0                                | 16.8                       | 5                             |
| 3.0SMCJ120C             | IHF                 | 120.00                             | 133.00                             | 169.00                             | 1                    | 214.0                                | 14.0                       | 5                             |
| 3.0SMCJ120CA            | IHG                 | 120.00                             | 133.00                             | 153.00                             | 1                    | 193.0                                | 15.6                       | 5                             |
| 3.0SMCJ130C             | IHH                 | 130.00                             | 144.00                             | 182.50                             | 1                    | 231.0                                | 13.0                       | 5                             |
| 3.0SMCJ130CA            | IHK                 | 130.00                             | 144.00                             | 165.50                             | 1                    | 209.0                                | 14.4                       | 5                             |
| 3.0SMCJ150C             | IHL                 | 150.00                             | 167.00                             | 211.50                             | 1                    | 269.0                                | 11.2                       | 5                             |
| 3.0SMCJ150CA            | IHM                 | 150.00                             | 167.00                             | 192.50                             | 1                    | 243.0                                | 12.4                       | 5                             |
| 3.0SMCJ160C             | IHN                 | 160.00                             | 178.00                             | 226.00                             | 1                    | 287.0                                | 10.4                       | 5                             |
| 3.0SMCJ160CA            | IHP                 | 160.00                             | 178.00                             | 205.00                             | 1                    | 259.0                                | 11.6                       | 5                             |
| 3.0SMCJ170C             | IHQ                 | 170.00                             | 189.00                             | 239.50                             | 1                    | 304.0                                | 9.8                        | 5                             |
| 3.0SMCJ170CA            | IHR                 | 170.00                             | 189.00                             | 217.50                             | 1                    | 275.0                                | 11.0                       | 5                             |

## ORDERING INFORMATION

| Product No.♦          | Package Type | Shipping Quantity |
|-----------------------|--------------|-------------------|
| 3.0SMCJxx-T1          | SMC          | 500/Tape & Reel   |
| <b>3.0SMCJxx-T3</b>   | SMC          | 3000/Tape & Reel  |
| 3.0SMCJxxA-T1         | SMC          | 500/Tape & Reel   |
| <b>3.0SMCJxxA-T3</b>  | SMC          | 3000/Tape & Reel  |
| 3.0SMCJxxC-T1         | SMC          | 500/Tape & Reel   |
| <b>3.0SMCJxxC-T3</b>  | SMC          | 3000/Tape & Reel  |
| 3.0SMCJxxCA-T1        | SMC          | 500/Tape & Reel   |
| <b>3.0SMCJxxCA-T3</b> | SMC          | 3000/Tape & Reel  |

Products listed in **bold** are WTE **Preferred** devices.

♦T1 suffix refers to a 7" reel. T3 suffix refers to a 13" reel.

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

## RECOMMENDED FOOTPRINT



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**WARNING:** DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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