



THE DATASHEET OF SMAJ100CATR



SMAJ SERIES SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR

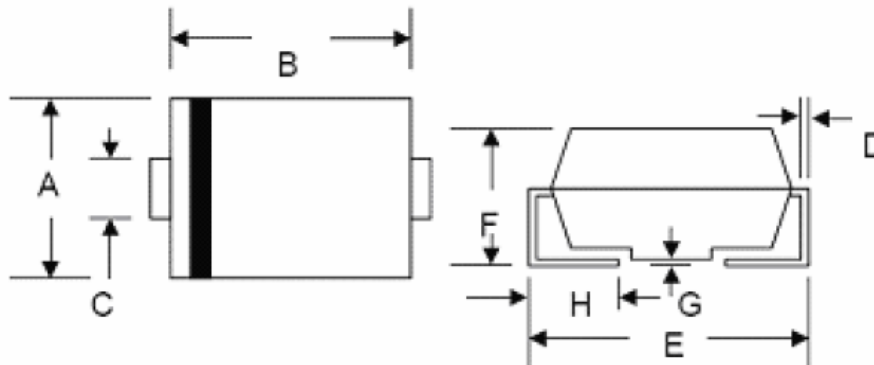
Features:

- Glass Passivated Die Construction
- 400W 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

Mechanical Data:

- Case: JEDEC DO-214AC Low Profile Molded Plastic
- Terminals: Solder Plated , Solderable per MIL-STD 750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Weight:0.064 grams(approx.)

Mechanical Dimensions: In Inches (mm)



| SMA/DO-214AC | | | | |
|--------------|-------|-------|---------|-------|
| Dim. | Min. | Max. | Min. | Max. |
| A | 2.50 | 2.90 | 0.098 | 0.114 |
| B | 4.00 | 4.60 | 0.157 | 0.181 |
| C | 1.40 | 1.60 | 0.055 | 0.063 |
| D | 0.152 | 0.305 | 0.006 | 0.012 |
| E | 4.80 | 5.28 | 0.189 | 0.208 |
| F | 2.00 | 2.44 | 0.079 | 0.096 |
| G | 0.051 | 0.203 | 0.002 | 0.008 |
| H | 0.76 | 1.52 | 0.030 | 0.060 |
| | In mm | | In inch | |

SMA

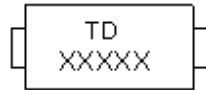
- China - Germany - Korea - Singapore - United States •
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Marking Diagram:

Where XXXXX is YYWWL



SMAJ5.0



SMAJ5.0C

HD/TD = Part Name
YY = Year
WW = Week
L = Lot Number

Cautions: Molding resin
Epoxy resin UL:94V-0

Ordering Information

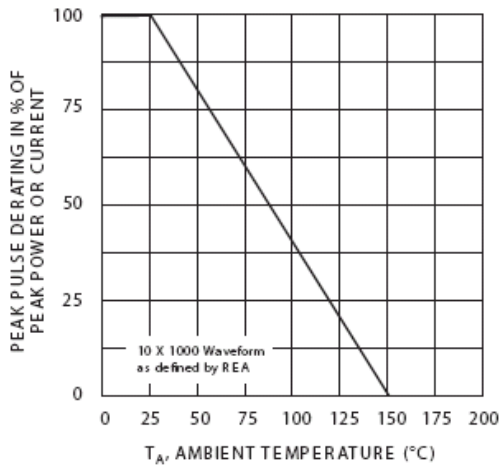
| Device | Package | Shipping |
|-------------|------------------|----------------|
| SMAJ SERIES | SMA (Pb-Free) | 5000pcs / reel |

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

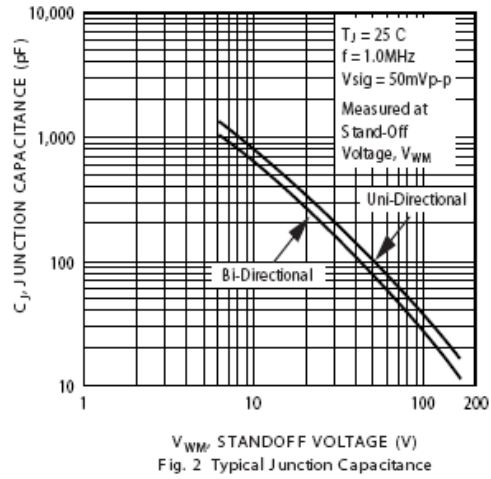
Maximum Ratings and Electrical Characteristics @ $T_A=25^\circ\text{C}$ unless otherwise specified

| Parameter | Symbol | Value | Unit |
|--|----------------|-------------|------------------|
| Peak Pulse Power Dissipation at $T_A=25^\circ\text{C}$ by 10x1000 μs Waveform (Fig.1)(Note 1, 2, 5) | P_{PPM} | 400 | W |
| Peak Forward Surge Current, 8.3ms Single Half Sine Wave (Fig.5),(Note 3) | I_{FSM} | 40 | A |
| Peak Pulse Current on 10x1000 μs Waveform(Fig.2)(Note 1) | I_{PPM} | See Table 1 | A |
| Steady State Power Dissipation(Note 4) | $P_{M(AV)}$ | 1.0 | W |
| Operating Junction and Storage Temperature Range | T_J, T_{STG} | -55 to 150 | $^\circ\text{C}$ |

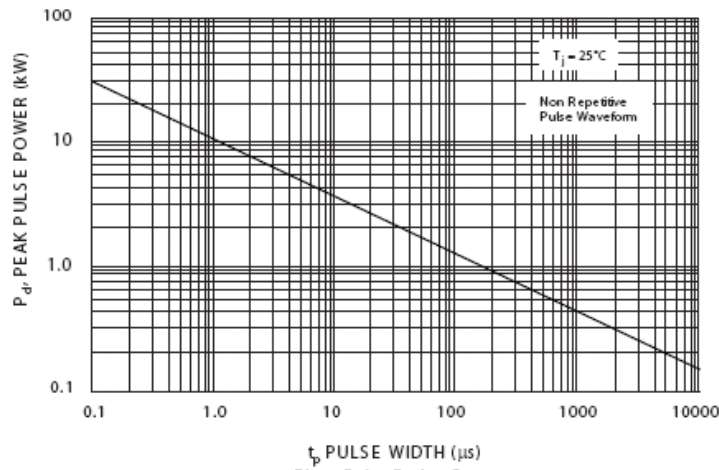
- Notes:**
1. Non-repetitive current pulse, per Fig. 3 and derated above $T_A = 25^\circ\text{C}$ per Fig. 2.
 2. Mounted on 5.0mm² copper pads to each terminal.
 3. Measured on 8.3ms single half sine wave or equivalent square wave, duty cycle=4pulses per minute maximum.
 4. Lead temperature at $75^\circ\text{C}=T_L$
 5. Peak pulse power waveform is 10x1000 μs



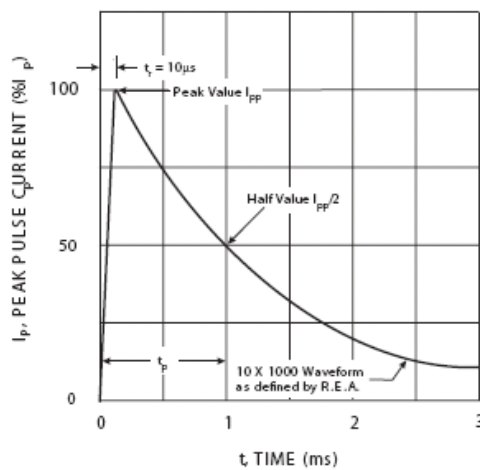
T_A , AMBIENT TEMPERATURE (°C)
 Fig. 1 Pulse Derating Curve



V_{WM} , STANDOFF VOLTAGE (V)
 Fig. 2 Typical Junction Capacitance



t_p , PULSE WIDTH (µs)
 Fig. 3 Pulse Rating Curve



t , TIME (ms)
 Fig. 4 Pulse Waveform

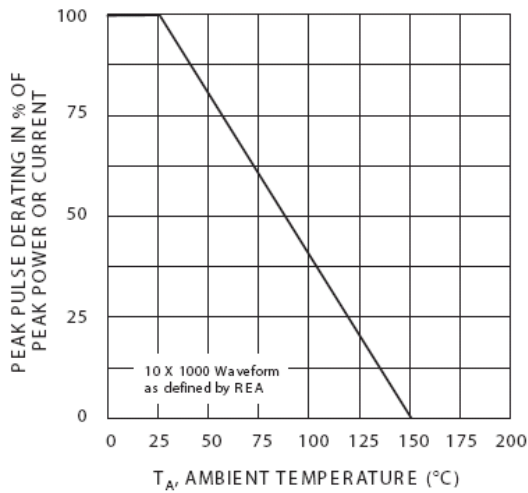


Fig. 1 Pulse Derating Curve

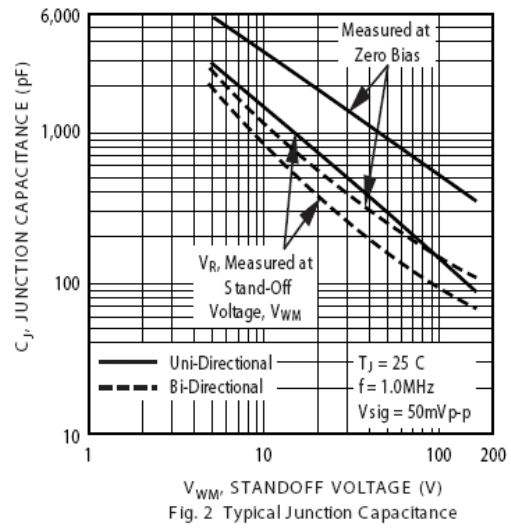


Fig. 2 Typical Junction Capacitance

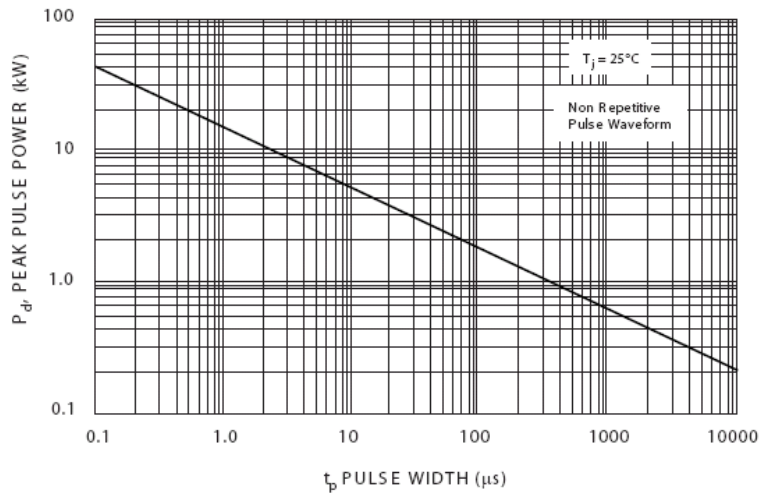


Fig. 3 Pulse Rating Curve

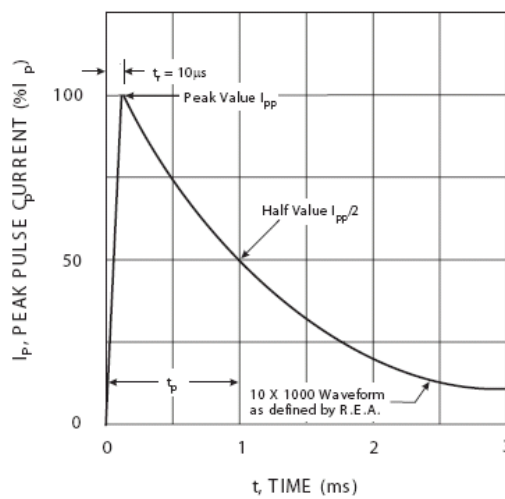


Fig. 4 Pulse Waveform



SMAJ SERIES
400W SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR

Green Products

Technical Data
Data Sheet N0223, Rev. -

UNI-DIRECTIONAL 400 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) |
|--------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| SMAJ5.0 | HD | 5.00 | 8.40 | 7.82 | 10 | 9.8 | 41.8 | 800 |
| SMAJ5.0A | HE | 5.00 | 8.40 | 7.07 | 10 | 9.2 | 43.5 | 800 |
| SMAJ6.0 | HF | 8.00 | 8.87 | 8.15 | 10 | 11.4 | 35.1 | 800 |
| SMAJ6.0A | HG | 8.00 | 8.87 | 7.37 | 10 | 10.3 | 38.8 | 800 |
| SMAJ6.5 | HH | 8.50 | 7.22 | 8.82 | 10 | 12.3 | 32.5 | 500 |
| SMAJ6.5A | HK | 8.50 | 7.22 | 7.98 | 10 | 11.2 | 35.7 | 500 |
| SMAJ7.0 | HL | 7.00 | 7.78 | 9.51 | 10 | 13.3 | 30.1 | 200 |
| SMAJ7.0A | HM | 7.00 | 7.78 | 8.60 | 10 | 12.0 | 33.3 | 200 |
| SMAJ7.5 | HN | 7.50 | 8.33 | 10.18 | 1 | 14.3 | 28.0 | 100 |
| SMAJ7.5A | HP | 7.50 | 8.33 | 9.21 | 1 | 12.9 | 31.0 | 100 |
| SMAJ8.0 | HQ | 8.00 | 8.99 | 10.99 | 1 | 15.0 | 26.5 | 50 |
| SMAJ8.0A | HR | 8.00 | 8.99 | 9.94 | 1 | 13.8 | 29.4 | 50 |
| SMAJ8.5 | HS | 8.50 | 9.44 | 11.54 | 1 | 15.9 | 25.1 | 10 |
| SMAJ8.5A | HT | 8.50 | 9.44 | 10.43 | 1 | 14.4 | 27.7 | 10 |
| SMAJ9.0 | HU | 9.00 | 10.00 | 12.22 | 1 | 16.9 | 23.8 | 5 |
| SMAJ9.0A | HV | 9.00 | 10.00 | 11.05 | 1 | 15.4 | 26.0 | 5 |
| SMAJ10 | HW | 10.00 | 11.10 | 13.57 | 1 | 18.8 | 21.2 | 5 |
| SMAJ10A | HX | 10.00 | 11.10 | 12.27 | 1 | 17.0 | 23.5 | 5 |
| SMAJ11 | HY | 11.00 | 12.20 | 14.91 | 1 | 20.1 | 20.0 | 5 |
| SMAJ11A | HZ | 11.00 | 12.20 | 13.48 | 1 | 18.2 | 22.0 | 5 |
| SMAJ12 | ID | 12.00 | 13.30 | 16.28 | 1 | 22.0 | 18.1 | 5 |
| SMAJ12A | IE | 12.00 | 13.30 | 14.70 | 1 | 19.9 | 20.1 | 5 |
| SMAJ13 | IF | 13.00 | 14.40 | 17.80 | 1 | 23.8 | 16.8 | 5 |
| SMAJ13A | IG | 13.00 | 14.40 | 15.92 | 1 | 21.5 | 18.8 | 5 |
| SMAJ14 | IH | 14.00 | 15.80 | 19.07 | 1 | 25.8 | 15.5 | 5 |
| SMAJ14A | IK | 14.00 | 15.80 | 17.24 | 1 | 23.2 | 17.2 | 5 |
| SMAJ15 | IL | 15.00 | 16.70 | 20.41 | 1 | 28.9 | 14.8 | 5 |
| SMAJ15A | IM | 15.00 | 16.70 | 18.48 | 1 | 24.4 | 16.4 | 5 |
| SMAJ16 | IN | 16.00 | 17.80 | 21.78 | 1 | 28.8 | 13.8 | 5 |
| SMAJ16A | IP | 16.00 | 17.80 | 19.67 | 1 | 26.0 | 15.3 | 5 |
| SMAJ17 | IQ | 17.00 | 18.90 | 23.10 | 1 | 30.5 | 13.1 | 5 |
| SMAJ17A | IR | 17.00 | 18.90 | 20.89 | 1 | 27.6 | 14.5 | 5 |
| SMAJ18 | IS | 18.00 | 20.00 | 24.44 | 1 | 32.2 | 12.4 | 5 |
| SMAJ18A | IT | 18.00 | 20.00 | 22.11 | 1 | 29.2 | 13.7 | 5 |
| SMAJ20 | IU | 20.00 | 22.20 | 27.13 | 1 | 35.8 | 11.1 | 5 |
| SMAJ20A | IV | 20.00 | 22.20 | 24.54 | 1 | 32.4 | 12.3 | 5 |
| SMAJ22 | IW | 22.00 | 24.40 | 29.82 | 1 | 39.4 | 10.1 | 5 |
| SMAJ22A | IX | 22.00 | 24.40 | 26.97 | 1 | 35.5 | 11.2 | 5 |
| SMAJ24 | IY | 24.00 | 26.70 | 32.63 | 1 | 43.0 | 9.3 | 5 |
| SMAJ24A | IZ | 24.00 | 26.70 | 29.51 | 1 | 38.9 | 10.3 | 5 |
| SMAJ26 | JD | 26.00 | 28.90 | 35.32 | 1 | 46.6 | 8.6 | 5 |
| SMAJ26A | JE | 26.00 | 28.90 | 31.94 | 1 | 42.1 | 9.5 | 5 |
| SMAJ28 | JF | 28.00 | 31.10 | 38.01 | 1 | 50.0 | 8.0 | 5 |
| SMAJ28A | JG | 28.00 | 31.10 | 34.37 | 1 | 45.4 | 8.8 | 5 |
| SMAJ30 | JH | 30.00 | 33.30 | 40.70 | 1 | 53.5 | 7.5 | 5 |
| SMAJ30A | JK | 30.00 | 33.30 | 36.81 | 1 | 48.4 | 8.3 | 5 |
| SMAJ33 | JL | 33.00 | 36.70 | 44.88 | 1 | 59.0 | 6.8 | 5 |
| SMAJ33A | JM | 33.00 | 36.70 | 40.58 | 1 | 53.3 | 7.5 | 5 |
| SMAJ36 | JN | 36.00 | 40.00 | 48.89 | 1 | 64.3 | 6.2 | 5 |
| SMAJ36A | JP | 36.00 | 40.00 | 44.21 | 1 | 58.1 | 6.9 | 5 |
| SMAJ40 | JQ | 40.00 | 44.40 | 54.27 | 1 | 71.4 | 5.8 | 5 |
| SMAJ40A | JR | 40.00 | 44.40 | 49.07 | 1 | 64.5 | 6.2 | 5 |
| SMAJ43 | JS | 43.00 | 47.80 | 58.42 | 1 | 78.7 | 5.2 | 5 |
| SMAJ43A | JT | 43.00 | 47.80 | 52.83 | 1 | 69.4 | 5.7 | 5 |
| SMAJ45 | JU | 45.00 | 50.00 | 61.11 | 1 | 80.3 | 5.0 | 5 |
| SMAJ45A | JV | 45.00 | 50.00 | 55.28 | 1 | 72.7 | 5.5 | 5 |
| SMAJ48 | JW | 48.00 | 53.30 | 65.14 | 1 | 85.5 | 4.7 | 5 |
| SMAJ48A | JX | 48.00 | 53.30 | 58.91 | 1 | 77.4 | 5.2 | 5 |
| SMAJ51 | JY | 51.00 | 58.70 | 69.30 | 1 | 91.1 | 4.4 | 5 |
| SMAJ51A | JZ | 51.00 | 58.70 | 62.67 | 1 | 82.4 | 4.9 | 5 |
| SMAJ54 | RD | 54.00 | 60.00 | 73.33 | 1 | 98.3 | 4.2 | 5 |
| SMAJ54A | RE | 54.00 | 60.00 | 66.32 | 1 | 87.1 | 4.6 | 5 |
| SMAJ58 | RF | 58.00 | 64.40 | 78.71 | 1 | 103.0 | 3.9 | 5 |
| SMAJ58A | RG | 58.00 | 64.40 | 71.18 | 1 | 93.6 | 4.3 | 5 |
| SMAJ60 | RH | 60.00 | 68.70 | 81.52 | 1 | 107.0 | 3.7 | 5 |
| SMAJ60A | RK | 60.00 | 68.70 | 73.72 | 1 | 98.8 | 4.1 | 5 |
| SMAJ64 | RL | 64.00 | 71.10 | 86.90 | 1 | 114.0 | 3.5 | 5 |
| SMAJ64A | RM | 64.00 | 71.10 | 78.58 | 1 | 103.0 | 3.9 | 5 |
| SMAJ70 | RN | 70.00 | 77.80 | 95.09 | 1 | 125.0 | 3.2 | 5 |
| SMAJ70A | RO | 70.00 | 77.80 | 85.99 | 1 | 113.0 | 3.5 | 5 |
| SMAJ75 | RQ | 75.00 | 83.30 | 101.81 | 1 | 134.0 | 3.0 | 5 |
| SMAJ75A | RR | 75.00 | 83.30 | 92.07 | 1 | 121.0 | 3.3 | 5 |
| SMAJ78 | RS | 78.00 | 88.70 | 105.97 | 1 | 139.0 | 2.9 | 5 |
| SMAJ78A | RT | 78.00 | 88.70 | 95.83 | 1 | 128.0 | 2.2 | 5 |
| SMAJ85 | RU | 85.00 | 94.40 | 115.38 | 1 | 151.0 | 2.8 | 5 |
| SMAJ85A | RV | 85.00 | 94.40 | 104.34 | 1 | 137.0 | 2.9 | 5 |
| SMAJ90 | RW | 90.00 | 100.00 | 122.22 | 1 | 160.0 | 2.5 | 5 |
| SMAJ90A | RX | 90.00 | 100.00 | 110.53 | 1 | 148.0 | 2.7 | 5 |
| SMAJ100 | RY | 100.00 | 111.00 | 135.67 | 1 | 179.0 | 2.2 | 5 |
| SMAJ100A | RZ | 100.00 | 111.00 | 122.68 | 1 | 162.0 | 2.5 | 5 |
| SMAJ110 | SD | 110.00 | 122.00 | 149.11 | 1 | 196.0 | 2.0 | 5 |
| SMAJ110A | SE | 110.00 | 122.00 | 134.84 | 1 | 177.0 | 2.3 | 5 |
| SMAJ120 | SF | 120.00 | 133.00 | 162.56 | 1 | 214.0 | 1.9 | 5 |
| SMAJ120A | SG | 120.00 | 133.00 | 147.00 | 1 | 193.0 | 2.0 | 5 |
| SMAJ130 | SH | 130.00 | 144.00 | 178.00 | 1 | 231.0 | 1.7 | 5 |
| SMAJ130A | SK | 130.00 | 144.00 | 159.18 | 1 | 209.0 | 1.9 | 5 |
| SMAJ150 | SL | 150.00 | 167.00 | 204.11 | 1 | 269.0 | 1.5 | 5 |
| SMAJ150A | SM | 150.00 | 167.00 | 184.58 | 1 | 243.0 | 1.6 | 5 |
| SMAJ160 | SN | 160.00 | 178.00 | 217.58 | 1 | 287.0 | 1.4 | 5 |
| SMAJ160A | SP | 160.00 | 178.00 | 198.74 | 1 | 259.0 | 1.5 | 5 |
| SMAJ170 | SQ | 170.00 | 189.00 | 231.00 | 1 | 304.0 | 1.3 | 5 |
| SMAJ170A | SR | 170.00 | 189.00 | 208.89 | 1 | 275.0 | 1.4 | 5 |

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

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400W SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR

Technical Data
Data Sheet N0223, Rev. -

Green Products

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|-------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| SMAJ50C | TD | 5.00 | 6.40 | 7.82 | 10 | 9.8 | 41.8 | 1600 |
| SMAJ50CA | TE | 5.00 | 6.40 | 7.07 | 10 | 9.2 | 43.5 | 1600 |
| SMAJ60C | TF | 6.00 | 6.67 | 8.15 | 10 | 11.4 | 35.1 | 1600 |
| SMAJ60CA | TG | 6.00 | 6.67 | 7.37 | 10 | 10.3 | 38.8 | 1600 |
| SMAJ65C | TH | 6.50 | 7.22 | 8.82 | 10 | 12.3 | 32.5 | 1000 |
| SMAJ65CA | TK | 6.50 | 7.22 | 7.98 | 10 | 11.2 | 35.7 | 1000 |
| SMAJ70C | TL | 7.00 | 7.78 | 9.51 | 10 | 13.3 | 30.1 | 400 |
| SMAJ70CA | TM | 7.00 | 7.78 | 8.60 | 10 | 12.0 | 33.3 | 400 |
| SMAJ75C | TN | 7.50 | 8.33 | 10.18 | 1 | 14.3 | 28.0 | 200 |
| SMAJ75CA | TP | 7.50 | 8.33 | 9.21 | 1 | 12.9 | 31.0 | 200 |
| SMAJ80C | TQ | 8.00 | 8.99 | 10.99 | 1 | 15.0 | 26.5 | 100 |
| SMAJ80CA | TR | 8.00 | 8.99 | 9.94 | 1 | 13.6 | 29.4 | 100 |
| SMAJ85C | TS | 8.50 | 9.44 | 11.54 | 1 | 15.9 | 25.1 | 20 |
| SMAJ85CA | TT | 8.50 | 9.44 | 10.43 | 1 | 14.4 | 27.7 | 20 |
| SMAJ90C | TU | 9.00 | 10.00 | 12.22 | 1 | 18.9 | 23.6 | 10 |
| SMAJ90CA | TV | 9.00 | 10.00 | 11.05 | 1 | 15.4 | 26.0 | 10 |
| SMAJ10C | TW | 10.00 | 11.10 | 13.57 | 1 | 18.8 | 21.2 | 5 |
| SMAJ10CA | TX | 10.00 | 11.10 | 12.27 | 1 | 17.0 | 23.5 | 5 |
| SMAJ11C | TY | 11.00 | 12.20 | 14.91 | 1 | 20.1 | 20.0 | 5 |
| SMAJ11CA | TZ | 11.00 | 12.20 | 13.48 | 1 | 18.2 | 22.0 | 5 |
| SMAJ12C | UD | 12.00 | 13.30 | 16.28 | 1 | 22.0 | 18.1 | 5 |
| SMAJ12CA | UE | 12.00 | 13.30 | 14.70 | 1 | 19.9 | 20.1 | 5 |
| SMAJ13C | UF | 13.00 | 14.40 | 17.60 | 1 | 23.8 | 16.8 | 5 |
| SMAJ13CA | UG | 13.00 | 14.40 | 15.92 | 1 | 21.5 | 18.6 | 5 |
| SMAJ14C | UH | 14.00 | 15.60 | 19.07 | 1 | 25.8 | 15.5 | 5 |
| SMAJ14CA | UK | 14.00 | 15.60 | 17.24 | 1 | 23.2 | 17.2 | 5 |
| SMAJ15C | UL | 15.00 | 16.70 | 20.41 | 1 | 28.9 | 14.8 | 5 |
| SMAJ15CA | UM | 15.00 | 16.70 | 18.46 | 1 | 24.4 | 16.4 | 5 |
| SMAJ16C | UN | 16.00 | 17.80 | 21.76 | 1 | 28.8 | 13.8 | 5 |
| SMAJ16CA | UP | 16.00 | 17.80 | 19.67 | 1 | 26.0 | 15.3 | 5 |
| SMAJ17C | UQ | 17.00 | 18.90 | 23.10 | 1 | 30.5 | 13.1 | 5 |
| SMAJ17CA | UR | 17.00 | 18.90 | 20.89 | 1 | 27.6 | 14.5 | 5 |
| SMAJ18C | US | 18.00 | 20.00 | 24.44 | 1 | 32.2 | 12.4 | 5 |
| SMAJ18CA | UT | 18.00 | 20.00 | 22.11 | 1 | 29.2 | 13.7 | 5 |
| SMAJ20C | UU | 20.00 | 22.20 | 27.13 | 1 | 35.8 | 11.1 | 5 |
| SMAJ20CA | UV | 20.00 | 22.20 | 24.54 | 1 | 32.4 | 12.3 | 5 |
| SMAJ22C | UW | 22.00 | 24.40 | 29.62 | 1 | 39.4 | 10.1 | 5 |
| SMAJ22CA | UX | 22.00 | 24.40 | 26.97 | 1 | 35.5 | 11.2 | 5 |
| SMAJ24C | UY | 24.00 | 26.70 | 32.63 | 1 | 43.0 | 9.3 | 5 |
| SMAJ24CA | UZ | 24.00 | 26.70 | 29.51 | 1 | 38.9 | 10.3 | 5 |
| SMAJ26C | VD | 26.00 | 28.90 | 35.32 | 1 | 46.6 | 8.6 | 5 |
| SMAJ26CA | VE | 26.00 | 28.90 | 31.94 | 1 | 42.1 | 9.5 | 5 |
| SMAJ28C | VF | 28.00 | 31.10 | 38.01 | 1 | 50.0 | 8.0 | 5 |
| SMAJ28CA | VG | 28.00 | 31.10 | 34.37 | 1 | 45.4 | 8.8 | 5 |
| SMAJ30C | VH | 30.00 | 33.30 | 40.70 | 1 | 53.5 | 7.5 | 5 |
| SMAJ30CA | VK | 30.00 | 33.30 | 36.81 | 1 | 48.4 | 8.3 | 5 |
| SMAJ33C | VL | 33.00 | 36.70 | 44.86 | 1 | 59.0 | 6.8 | 5 |
| SMAJ33CA | VM | 33.00 | 36.70 | 40.56 | 1 | 53.3 | 7.5 | 5 |
| SMAJ36C | VN | 36.00 | 40.00 | 48.89 | 1 | 64.3 | 6.2 | 5 |
| SMAJ36CA | VP | 36.00 | 40.00 | 44.21 | 1 | 58.1 | 6.9 | 5 |
| SMAJ40C | VQ | 40.00 | 44.40 | 54.27 | 1 | 71.4 | 5.6 | 5 |
| SMAJ40CA | VR | 40.00 | 44.40 | 49.07 | 1 | 64.5 | 6.2 | 5 |
| SMAJ43C | VS | 43.00 | 47.80 | 58.42 | 1 | 78.7 | 5.2 | 5 |
| SMAJ43CA | VT | 43.00 | 47.80 | 52.83 | 1 | 69.4 | 5.7 | 5 |
| SMAJ45C | VU | 45.00 | 50.00 | 61.11 | 1 | 80.3 | 5.0 | 5 |
| SMAJ45CA | VV | 45.00 | 50.00 | 55.26 | 1 | 72.7 | 5.5 | 5 |
| SMAJ48C | VW | 48.00 | 53.30 | 65.14 | 1 | 85.5 | 4.7 | 5 |
| SMAJ48CA | VX | 48.00 | 53.30 | 59.91 | 1 | 77.4 | 5.2 | 5 |
| SMAJ51C | VY | 51.00 | 56.70 | 69.30 | 1 | 91.1 | 4.4 | 5 |
| SMAJ51CA | VZ | 51.00 | 56.70 | 62.67 | 1 | 82.4 | 4.9 | 5 |
| SMAJ54C | WD | 54.00 | 60.00 | 73.33 | 1 | 96.3 | 4.2 | 5 |
| SMAJ54CA | WE | 54.00 | 60.00 | 66.32 | 1 | 87.1 | 4.6 | 5 |
| SMAJ58C | WF | 58.00 | 64.40 | 78.71 | 1 | 103.0 | 3.9 | 5 |
| SMAJ58CA | WG | 58.00 | 64.40 | 71.18 | 1 | 93.6 | 4.3 | 5 |
| SMAJ60C | WH | 60.00 | 66.70 | 81.52 | 1 | 107.0 | 3.7 | 5 |
| SMAJ60CA | WK | 60.00 | 66.70 | 73.72 | 1 | 96.8 | 4.1 | 5 |
| SMAJ64C | WL | 64.00 | 71.10 | 86.90 | 1 | 114.0 | 3.5 | 5 |
| SMAJ64CA | WM | 64.00 | 71.10 | 78.58 | 1 | 103.0 | 3.9 | 5 |
| SMAJ70C | WN | 70.00 | 77.80 | 95.09 | 1 | 125.0 | 3.2 | 5 |
| SMAJ70CA | WP | 70.00 | 77.80 | 85.99 | 1 | 113.0 | 3.5 | 5 |
| SMAJ75C | WQ | 75.00 | 83.30 | 101.81 | 1 | 134.0 | 3.0 | 5 |
| SMAJ75CA | WR | 75.00 | 83.30 | 92.07 | 1 | 121.0 | 3.3 | 5 |
| SMAJ78C | WS | 78.00 | 86.70 | 105.97 | 1 | 139.0 | 2.9 | 5 |
| SMAJ78CA | WT | 78.00 | 86.70 | 95.83 | 1 | 128.0 | 2.2 | 5 |
| SMAJ85C | WU | 85.00 | 94.40 | 115.38 | 1 | 151.0 | 2.6 | 5 |
| SMAJ85CA | WV | 85.00 | 94.40 | 104.34 | 1 | 137.0 | 2.9 | 5 |
| SMAJ90C | WW | 90.00 | 100.00 | 122.22 | 1 | 160.0 | 2.5 | 5 |
| SMAJ90CA | WX | 90.00 | 100.00 | 110.53 | 1 | 148.0 | 2.7 | 5 |
| SMAJ100C | WY | 100.00 | 111.00 | 135.67 | 1 | 179.0 | 2.2 | 5 |
| SMAJ100CA | WZ | 100.00 | 111.00 | 122.68 | 1 | 162.0 | 2.5 | 5 |
| SMAJ110C | XD | 110.00 | 122.00 | 149.11 | 1 | 196.0 | 2.0 | 5 |
| SMAJ110CA | XE | 110.00 | 122.00 | 134.84 | 1 | 177.0 | 2.3 | 5 |
| SMAJ120C | XF | 120.00 | 133.00 | 162.56 | 1 | 214.0 | 1.9 | 5 |
| SMAJ120CA | XG | 120.00 | 133.00 | 147.00 | 1 | 193.0 | 2.0 | 5 |
| SMAJ130C | XH | 130.00 | 144.00 | 176.00 | 1 | 231.0 | 1.7 | 5 |
| SMAJ130CA | XK | 130.00 | 144.00 | 159.16 | 1 | 209.0 | 1.9 | 5 |
| SMAJ150C | XL | 150.00 | 167.00 | 204.11 | 1 | 269.0 | 1.5 | 5 |
| SMAJ150CA | XM | 150.00 | 167.00 | 184.58 | 1 | 243.0 | 1.6 | 5 |
| SMAJ160C | XN | 160.00 | 178.00 | 217.56 | 1 | 287.0 | 1.4 | 5 |
| SMAJ160CA | XP | 160.00 | 178.00 | 196.74 | 1 | 259.0 | 1.5 | 5 |
| SMAJ170C | XG | 170.00 | 189.00 | 231.00 | 1 | 304.0 | 1.3 | 5 |
| SMAJ170CA | XR | 170.00 | 189.00 | 208.89 | 1 | 275.0 | 1.4 | 5 |

"C" Suffix Designates Bi-directional Devices

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