







400 W Surface Mount Transient Voltage Suppressor

| | | | | | |
|--|--|----------------|--------------|--|------------------------------|
| <p>DO-214AC (SMA)</p>  | <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Voltage</td> <td style="text-align: center;">Power</td> </tr> <tr> <td style="text-align: center;">6.8 V to 540 V (Uni) 6.8 V to 260 V (Bid)</td> <td style="text-align: center;">400 W /ms (300W above 250 V)</td> </tr> </table> <div style="text-align: center; margin-top: 10px;">  </div> | Voltage | Power | 6.8 V to 540 V (Uni) 6.8 V to 260 V (Bid) | 400 W /ms (300W above 250 V) |
| Voltage | Power | | | | |
| 6.8 V to 540 V (Uni) 6.8 V to 260 V (Bid) | 400 W /ms (300W above 250 V) | | | | |
| <p>FEATURES</p> <ul style="list-style-type: none"> Low profile package Ideal for automated placement 400 W peak pulse power capability with a 10/1000 μs waveform, repetitive rate (duty cycle): 0.01 % Excellent clamping capability Very fast response time Low incremental surge resistance Available in uni-directional and bi-directional Solder dip 260°C, 10s AEC-Q101 qualified Component in accordance to RoHS 2011/65/EU and WEEE 2002/96/EC Meets MSL level 1, per J-STD-020, LF maximum peak of 260° C Halogen-free available according to IEC 61249-2-21 definition <div style="float: right; text-align: center;">     </div> | | | | | |
| <p>MECHANICAL DATA</p> <ul style="list-style-type: none"> Case: DO-214AC (SMA). Epoxy meets UL 94V-0 flammability rating. Polarity: For unidirectional types color band denotes cathode end. No marking on bidirectional types. Terminals: Matte tin plated leads, solderable per MIL-STD-750 Method 2026, J-STD-002 and JESD22-B102. Consumer grade, meets JESD 201 class 1A whisker test. HE3 suffix for high reliability grade, meets JESD 201 class 2 whisker test. | | | | | |
| <p>TYPICAL APPLICATIONS</p> <p>Used in sensitive electronics protection against voltage transients induced by inductive load switching and lighting on ICs, MOSFET, signal lines of sensor units for consumer, computer, industrial, automotive and telecommunication.</p> | | | | | |

Maximun Ratings and Electrical Characteristics at 25°C

| | | |
|-----------------|--|------------------|
| P_{PPM} | Peak Pulse Power Dissipation with 10/1000 μ s exponential pulse (Note 3) | 400 W, 300W |
| I_{FSM} | Peak Forward Surge Current 8.3 ms. (Note 1) (Jedec Method) (Note 2) | 40 A |
| V_F | Max. forward voltage drop at $I_F = 25$ A (Note 1) | 3.5 V |
| $T_J - T_{STG}$ | Operating Junction and Storage Temperature Range | - 65 to + 150 °C |

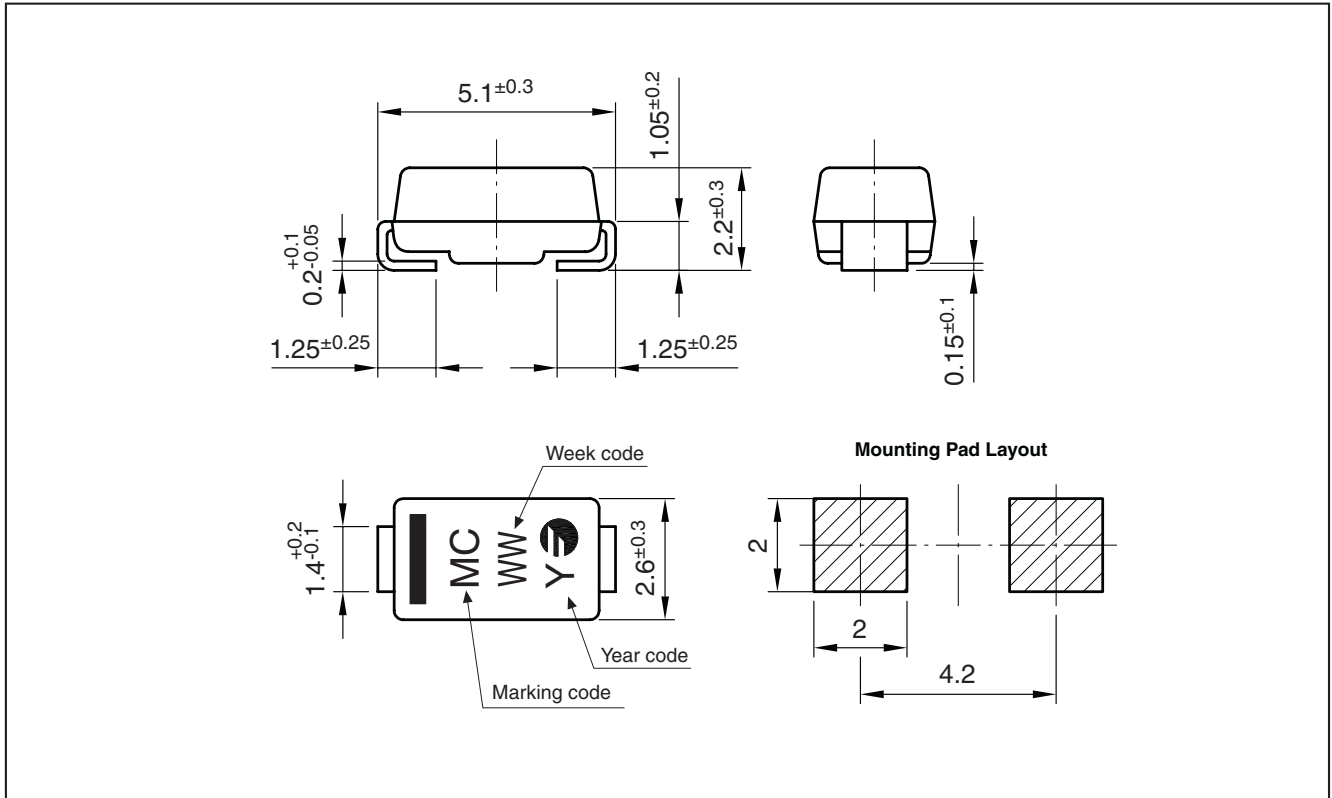
Notes: 1. Only for Unidirectional
 2. Mounted on 0.31 x 0.31" (8.0 x 8.0 mm) copper pads to each terminal
 3. Rating is 300W above 250V.

400 W Surface Mount Transient Voltage Suppressor

Ordering information

| PREFERRED P/N | PACKAGE CODE | DELIVERY MODE | BASE QUANTITY | UNIT WEIGHT (g) |
|--------------------|--------------|----------------------------|---------------|-----------------|
| P4SMA33A TRTB | TRTB | 13" diameter tape and reel | 7,500 | 0.060 |
| P4SMA33A TRTS | TRTS | 7" diameter tape and reel | 1,500 | 0.060 |
| PSMA33A HE3 TRTB | TRTB | 13" diameter tape and reel | 7,500 | 0.060 |
| P4SMA33A HE3 TRTS | TRTS | 7" diameter tape and reel | 1,500 | 0.060 |
| P4MA33A HF TRTB | TRTB | 13" diameter tape and reel | 7,500 | 0.060 |
| P4SMA33CA TRTB | TRTB | 13" diameter tape and reel | 7,500 | 0.060 |
| P4SMA33CA TRTS | TRTS | 7" diameter tape and reel | 1,500 | 0.060 |
| P4SMA33CA HE3 TRTB | TRTB | 13" diameter tape and reel | 7,500 | 0.060 |
| P4SMA33CA HE3 TRTS | TRTS | 7" diameter tape and reel | 1,500 | 0.060 |
| P4SMA33CA HF TRTB | TRTB | 13" diameter tape and reel | 7,500 | 0.060 |

Package Outline Dimensions: (mm) DO-214AC (SMA)



400 W Surface Mount Transient Voltage Suppressor

| Type | | Maximum Reverse Leakage Current | | (1) Breakdown Voltage | | | I_R | Max. Clamping Voltage | |
|----------------|--------------|---------------------------------|----------|-----------------------|----------------------|----------------------|-------|-----------------------|----------------------|
| | | I_{RM} at V_{RM} | V_{RM} | V_{BR} at V_{RM} | V_{BR} at V_{RM} | V_{BR} at V_{RM} | | V_{CL} at I_{PP} | V_{CL} at I_{PP} |
| Unidirectional | Marking Code | (μ A) | (V) | Min. | Nom. | Max. | (mA) | (V) | (A) |
| P4SMA6V8 | AD | 1000 | 5.50 | 6.12 | 6.8 | 7.48 | 10 | 10.8 | 38 |
| P4SMA6V8A | AE | 1000 | 5.80 | 6.45 | 6.8 | 7.14 | 10 | 10.5 | 40 |
| P4SMA7V5 | AF | 500 | 6.05 | 6.75 | 7.5 | 8.25 | 10 | 11.7 | 36 |
| P4SMA7V5A | AG | 500 | 6.40 | 7.13 | 7.5 | 7.88 | 10 | 11.3 | 37 |
| P4SMA8V2 | AH | 200 | 6.63 | 7.38 | 8.2 | 9.02 | 10 | 12.5 | 33 |
| P4SMA8V2A | AK | 200 | 7.02 | 7.79 | 8.2 | 8.61 | 10 | 12.1 | 35 |
| P4SMA9V1 | AL | 50 | 7.37 | 8.19 | 9.1 | 10.0 | 1 | 13.8 | 30 |
| P4SMA9V1A | AM | 50 | 7.78 | 8.65 | 9.1 | 9.55 | 1 | 13.4 | 31 |
| P4SMA10 | AN | 10 | 8.10 | 9.00 | 10 | 11.0 | 1 | 15.0 | 28 |
| P4SMA10A | AP | 10 | 8.55 | 9.50 | 10 | 10.5 | 1 | 14.5 | 29 |
| P4SMA11 | AQ | 5 | 8.92 | 9.90 | 11 | 12.1 | 1 | 16.2 | 26 |
| P4SMA11A | AR | 5 | 9.40 | 10.5 | 11 | 11.6 | 1 | 15.6 | 27 |
| P4SMA12 | AS | 1 | 9.72 | 10.8 | 12 | 13.2 | 1 | 17.3 | 24 |
| P4SMA12A | AT | 1 | 10.2 | 11.4 | 12 | 12.6 | 1 | 16.7 | 25 |
| P4SMA13 | AU | 1 | 10.5 | 11.7 | 13 | 14.3 | 1 | 19.0 | 22 |
| P4SMA13A | AV | 1 | 11.1 | 12.4 | 13 | 13.7 | 1 | 18.2 | 23 |
| P4SMA15 | AW | 1 | 12.1 | 13.5 | 15 | 16.5 | 1 | 22.0 | 19 |
| P4SMA15A | AX | 1 | 12.8 | 14.3 | 15 | 15.8 | 1 | 21.2 | 20 |
| P4SMA16 | AY | 1 | 12.9 | 14.4 | 16 | 17.6 | 1 | 23.5 | 18 |
| P4SMA16A | AZ | 1 | 13.6 | 15.2 | 16 | 16.8 | 1 | 22.5 | 19 |
| P4SMA18 | BD | 1 | 14.5 | 16.2 | 18 | 19.8 | 1 | 26.5 | 16 |
| P4SMA18A | BE | 1 | 15.3 | 17.1 | 18 | 18.9 | 1 | 25.5 | 17 |
| P4SMA20 | BF | 1 | 16.2 | 18.0 | 20 | 22.0 | 1 | 29.1 | 14 |
| P4SMA20A | BG | 1 | 17.1 | 19.0 | 20 | 21.0 | 1 | 27.7 | 15 |
| P4SMA22 | BH | 1 | 17.8 | 19.8 | 22 | 24.2 | 1 | 31.9 | 13 |
| P4SMA22A | BK | 1 | 18.8 | 20.9 | 22 | 23.1 | 1 | 30.6 | 14 |
| P4SMA24 | BL | 1 | 19.4 | 21.6 | 24 | 26.4 | 1 | 34.7 | 12 |
| P4SMA24A | BM | 1 | 20.5 | 22.8 | 24 | 25.2 | 1 | 33.2 | 13 |
| P4SMA27 | BN | 1 | 21.8 | 24.3 | 27 | 29.7 | 1 | 39.1 | 11 |
| P4SMA27A | BP | 1 | 23.1 | 25.7 | 27 | 28.4 | 1 | 37.5 | 11.2 |
| P4SMA30 | BQ | 1 | 24.3 | 27.0 | 30 | 33.0 | 1 | 43.5 | 10 |
| P4SMA30A | BR | 1 | 25.6 | 28.5 | 30 | 31.5 | 1 | 41.4 | 10 |
| P4SMA33 | BS | 1 | 26.8 | 29.7 | 33 | 36.3 | 1 | 47.7 | 9 |
| P4SMA33A | BT | 1 | 28.2 | 31.4 | 33 | 34.7 | 1 | 45.7 | 9 |
| P4SMA36 | BU | 1 | 29.1 | 32.4 | 36 | 39.6 | 1 | 52.0 | 8 |
| P4SMA36A | BV | 1 | 30.8 | 34.2 | 36 | 37.8 | 1 | 49.9 | 8.4 |
| P4SMA39 | BW | 1 | 31.6 | 35.1 | 39 | 42.9 | 1 | 56.4 | 7.4 |
| P4SMA39A | BX | 1 | 33.3 | 37.1 | 39 | 41.0 | 1 | 53.9 | 7.8 |

(1) Tested with pulses.
Pulse test: $t_p \leq 50$ ms; $\delta < 2\%$

400 W Surface Mount Transient Voltage Suppressor

| Type | | Maximum Reverse Leakage Current I_{RM} at V_{RM} | | (1) Breakdown Voltage V_{BR} at I_R (V) | | | Max. Clamping Voltage V_{CL} at I_{PP} max. 1 ms. Expo. | | |
|----------------|--------------|---|------|---|------|------|---|------|------|
| Unidirectional | Marking Code | (μ A) | (V) | Min. | Nom. | Max. | (mA) | (V) | (A) |
| P4SMA43 | BY | 1 | 34.8 | 38.7 | 43 | 47.3 | 1 | 61.9 | 6.8 |
| P4SMA43A | BZ | 1 | 36.8 | 40.9 | 43 | 45.2 | 1 | 59.3 | 7.1 |
| P4SMA47 | CD | 1 | 38.1 | 42.3 | 47 | 51.7 | 1 | 67.8 | 6.2 |
| P4SMA47A | CE | 1 | 40.2 | 44.7 | 47 | 49.4 | 1 | 64.8 | 6.4 |
| P4SMA51 | CF | 1 | 41.3 | 45.9 | 51 | 56.1 | 1 | 73.5 | 5.7 |
| P4SMA51A | CG | 1 | 43.6 | 48.5 | 51 | 53.6 | 1 | 70.1 | 6.0 |
| P4SMA56 | CH | 1 | 45.4 | 50.4 | 56 | 61.6 | 1 | 80.5 | 5.2 |
| P4SMA56A | CK | 1 | 47.8 | 53.2 | 56 | 58.8 | 1 | 77.0 | 5.5 |
| P4SMA62 | CL | 1 | 50.2 | 55.8 | 62 | 68.2 | 1 | 89.0 | 4.7 |
| P4SMA62A | CM | 1 | 53.0 | 58.9 | 62 | 65.1 | 1 | 85.0 | 5.0 |
| P4SMA68 | CN | 1 | 55.1 | 61.2 | 68 | 74.8 | 1 | 98.0 | 4.3 |
| P4SMA68A | CP | 1 | 58.1 | 64.6 | 68 | 71.4 | 1 | 92.0 | 4.6 |
| P4SMA75 | CQ | 1 | 60.7 | 67.5 | 75 | 82.5 | 1 | 108 | 3.9 |
| P4SMA75A | CR | 1 | 64.1 | 71.3 | 75 | 78.8 | 1 | 103 | 4.1 |
| P4SMA82 | CS | 1 | 66.4 | 73.8 | 82 | 90.2 | 1 | 118 | 3.6 |
| P4SMA82A | CT | 1 | 70.1 | 77.9 | 82 | 86.1 | 1 | 113 | 3.7 |
| P4SMA91 | CU | 1 | 73.7 | 81.9 | 91 | 100 | 1 | 131 | 3.2 |
| P4SMA91A | CV | 1 | 77.8 | 86.5 | 91 | 95.5 | 1 | 125 | 3.4 |
| P4SMA100 | CW | 1 | 81.0 | 90.0 | 100 | 110 | 1 | 144 | 2.9 |
| P4SMA100A | CX | 1 | 85.5 | 95.0 | 100 | 105 | 1 | 137 | 3.1 |
| P4SMA110 | CY | 1 | 89.2 | 99.0 | 110 | 121 | 1 | 158 | 2.7 |
| P4SMA110A | CZ | 1 | 94.0 | 105 | 110 | 116 | 1 | 152 | 2.8 |
| P4SMA120 | DD | 1 | 97.2 | 108 | 120 | 132 | 1 | 173 | 2.4 |
| P4SMA120A | DE | 1 | 102 | 114 | 120 | 126 | 1 | 165 | 2.5 |
| P4SMA130 | DF | 1 | 105 | 117 | 130 | 143 | 1 | 187 | 2.2 |
| P4SMA130A | DG | 1 | 111 | 124 | 130 | 137 | 1 | 179 | 2.3 |
| P4SMA150 | DH | 1 | 121 | 135 | 150 | 165 | 1 | 215 | 2.0 |
| P4SMA150A | DL | 1 | 128 | 143 | 150 | 158 | 1 | 207 | 2.0 |
| P4SMA160 | DM | 1 | 130 | 144 | 160 | 176 | 1 | 230 | 1.8 |
| P4SMA160A | DN | 1 | 136 | 152 | 160 | 168 | 1 | 219 | 1.9 |
| P4SMA170 | DP | 1 | 138 | 153 | 170 | 187 | 1 | 244 | 1.7 |
| P4SMA170A | DQ | 1 | 145 | 162 | 170 | 179 | 1 | 234 | 1.8 |
| P4SMA180 | DR | 1 | 146 | 162 | 180 | 198 | 1 | 258 | 1.6 |
| P4SMA180A | DS | 1 | 154 | 171 | 180 | 189 | 1 | 246 | 1.7 |
| P4SMA200 | DT | 1 | 162 | 180 | 200 | 220 | 1 | 287 | 1.5 |
| P4SMA200A | DU | 1 | 171 | 190 | 200 | 210 | 1 | 274 | 1.53 |
| P4SMA220 | DV | 1 | 175 | 198 | 220 | 242 | 1 | 344 | 1.16 |
| P4SMA220A | DX | 1 | 185 | 209 | 220 | 231 | 1 | 328 | 1.22 |
| P4SMA250A | DW | 1 | 214 | 237 | 250 | 263 | 1 | 344 | 0.91 |
| P4SMA300A | DY | 1 | 256 | 285 | 300 | 315 | 1 | 414 | 0.73 |
| P4SMA350A | DZ | 1 | 300 | 333 | 350 | 368 | 1 | 482 | 0.62 |
| P4SMA400A | DJ | 1 | 342 | 380 | 400 | 420 | 1 | 548 | 0.55 |
| P4SMA440A | DK | 1 | 376 | 418 | 440 | 462 | 1 | 602 | 0.5 |
| P4SMA480A | WJ | 1 | 408 | 456 | 480 | 504 | 1 | 658 | 0.46 |
| P4SMA510A | WL | 1 | 434 | 485 | 510 | 535 | 1 | 698 | 0.43 |
| P4SMA540A | WN | 1 | 459 | 513 | 540 | 567 | 1 | 740 | 0.41 |

(1) Tested with pulses.
Pulse test: $t_p \leq 50$ ms; $\delta < 2\%$

400 W Surface Mount Transient Voltage Suppressor

| Type | | Maximum Reverse Leakage Current I_{RM} at V_{RM} | | (1) Breakdown Voltage V_{BR} at I_R | | | | Max. Clamping Voltage V_{CL} at I_{pp} max. 1ms. Expo. | |
|---------------|--------------|---|------|--|------|------|------|--|------|
| Bidirectional | Marking Code | (μA) | (V) | Min. | Nom. | Max. | (mA) | (V) | (A) |
| P4SMA6V8C | RA | 1000 | 5.50 | 6.12 | 6.8 | 7.48 | 10 | 10.8 | 38 |
| P4SMA6V8CA | RB | 1000 | 5.80 | 6.45 | 6.8 | 7.14 | 10 | 10.5 | 38.1 |
| P4SMA7V5C | RC | 500 | 6.05 | 6.75 | 7.5 | 8.25 | 10 | 11.7 | 36 |
| P4SMA7V5CA | RD | 500 | 6.40 | 7.13 | 7.5 | 7.88 | 10 | 11.3 | 35.4 |
| P4SMA8V2C | RE | 200 | 6.63 | 7.38 | 8.2 | 9.02 | 10 | 12.5 | 33 |
| P4SMA8V2CA | RF | 200 | 7.02 | 7.79 | 8.2 | 8.61 | 10 | 12.1 | 33.1 |
| P4SMA9V1C | RG | 50 | 7.37 | 8.19 | 9.1 | 10.0 | 1 | 13.8 | 30 |
| P4SMA9V1CA | RH | 50 | 7.78 | 8.65 | 9.1 | 9.55 | 1 | 13.4 | 29.9 |
| P4SMA10C | RI | 10 | 8.10 | 9.00 | 10 | 11.0 | 1 | 15.0 | 28 |
| P4SMA10CA | RJ | 10 | 8.55 | 9.50 | 10 | 10.5 | 1 | 14.5 | 27.6 |
| P4SMA11C | RK | 5 | 8.92 | 9.90 | 11 | 12.1 | 1 | 16.2 | 26 |
| P4SMA11CA | RL | 5 | 9.40 | 10.5 | 11 | 11.6 | 1 | 15.6 | 25.6 |
| P4SMA12C | RM | 1 | 9.72 | 10.8 | 12 | 13.2 | 1 | 17.3 | 24 |
| P4SMA12CA | RN | 1 | 10.2 | 11.4 | 12 | 12.6 | 1 | 16.7 | 24 |
| P4SMA13C | RO | 1 | 10.5 | 11.7 | 13 | 14.3 | 1 | 19.0 | 22 |
| P4SMA13CA | RP | 1 | 11.1 | 12.4 | 13 | 13.7 | 1 | 18.2 | 22 |
| P4SMA15C | RR | 1 | 12.1 | 13.5 | 15 | 16.5 | 1 | 22.0 | 19 |
| P4SMA15CA | RS | 1 | 12.8 | 14.3 | 15 | 15.8 | 1 | 21.2 | 18.9 |
| P4SMA16C | RT | 1 | 12.9 | 14.4 | 16 | 17.6 | 1 | 23.5 | 18 |
| P4SMA16CA | RU | 1 | 13.6 | 15.2 | 16 | 16.8 | 1 | 22.5 | 17.8 |
| P4SMA18C | RV | 1 | 14.5 | 16.2 | 18 | 19.8 | 1 | 26.5 | 16 |
| P4SMA18CA | CC | 1 | 15.3 | 17.1 | 18 | 18.9 | 1 | 25.5 | 17 |
| P4SMA20C | RX | 1 | 16.2 | 18.0 | 20 | 22.0 | 1 | 29.1 | 14 |
| P4SMA20CA | RY | 1 | 17.1 | 19.0 | 20 | 21.0 | 1 | 27.7 | 14.4 |
| P4SMA22C | RZ | 1 | 17.8 | 19.8 | 22 | 24.2 | 1 | 31.9 | 13 |
| P4SMA22CA | SA | 1 | 18.8 | 20.9 | 22 | 23.1 | 1 | 30.6 | 13.1 |
| P4SMA24C | SB | 1 | 19.4 | 21.6 | 24 | 26.4 | 1 | 34.7 | 12 |
| P4SMA24CA | SC | 1 | 20.5 | 22.8 | 24 | 25.2 | 1 | 33.2 | 12 |
| P4SMA27C | SD | 1 | 21.8 | 24.3 | 27 | 29.7 | 1 | 39.1 | 11 |
| P4SMA27CA | SE | 1 | 23.1 | 25.7 | 27 | 28.4 | 1 | 37.5 | 10.9 |
| P4SMA30C | SF | 1 | 24.3 | 27.0 | 30 | 33.0 | 1 | 43.5 | 10 |
| P4SMA30CA | SG | 1 | 25.6 | 28.5 | 30 | 31.5 | 1 | 41.4 | 9.7 |
| P4SMA33C | SH | 1 | 26.8 | 29.7 | 33 | 36.3 | 1 | 47.7 | 9 |
| P4SMA33CA | SI | 1 | 28.2 | 31.4 | 33 | 34.7 | 1 | 45.7 | 9 |
| P4SMA36C | SJ | 1 | 29.1 | 32.4 | 36 | 39.6 | 1 | 52.0 | 8 |
| P4SMA36CA | SK | 1 | 30.8 | 34.2 | 36 | 37.8 | 1 | 49.9 | 8 |
| P4SMA39C | SL | 1 | 31.6 | 35.1 | 39 | 42.9 | 1 | 56.4 | 7.4 |
| P4SMA39CA | SM | 1 | 33.3 | 37.1 | 39 | 41.0 | 1 | 53.9 | 7.4 |

(1) Tested with pulses.
Pulse test: $t_p \leq 50$ ms; $\delta < 2\%$

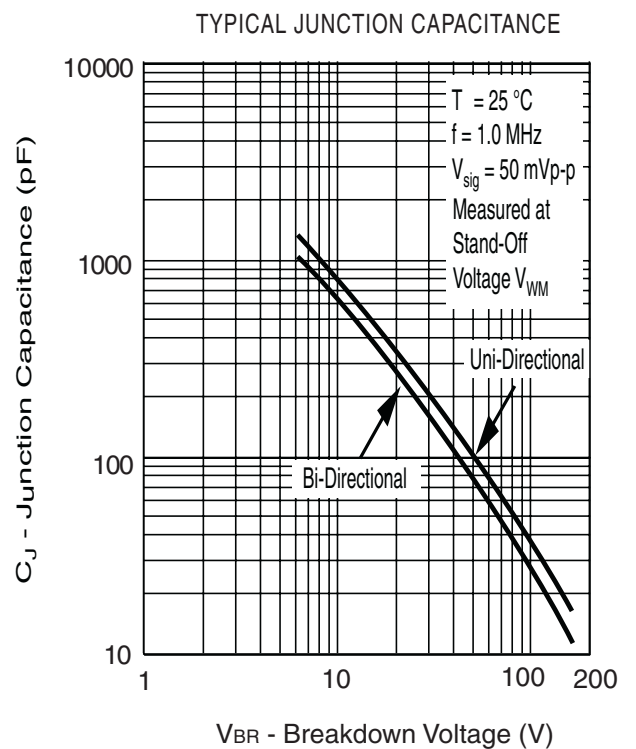
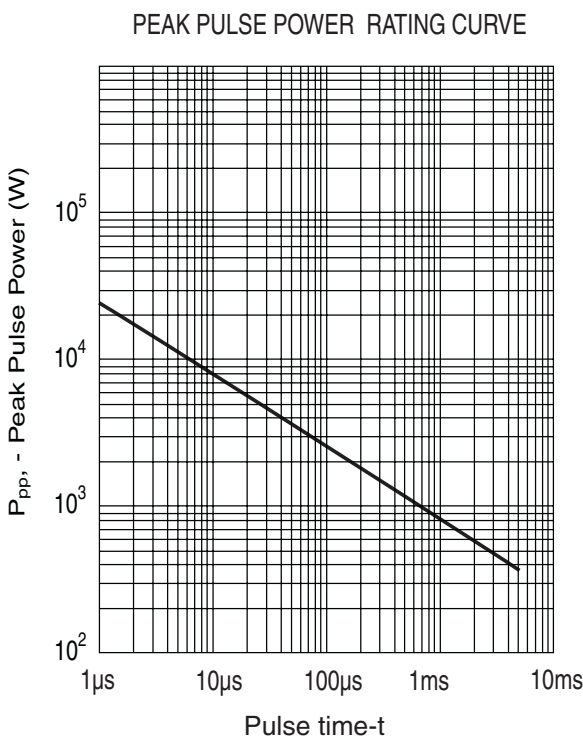
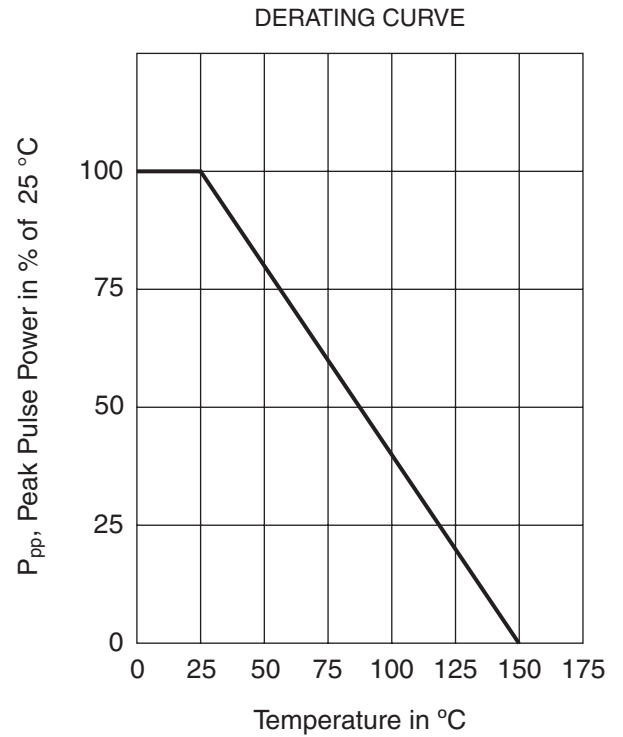
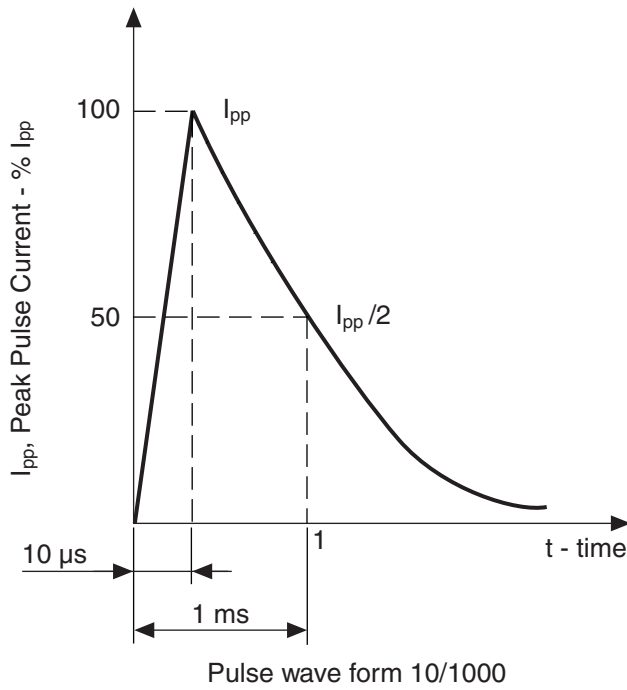
400 W Surface Mount Transient Voltage Suppressor

| Type | | Maximum Reverse Leakage Current | | (1) Breakdown Voltage | | | | Max. Clamping Voltage | |
|---------------|--------------|---------------------------------|----------|-----------------------|------|------|----------------------|-----------------------|------|
| | | I_{RM} at V_{RM} | V_{RM} | V_{BR} at I_R | | | V_{CL} at I_{pp} | max. 1ms. Expo. | |
| Bidirectional | Marking Code | (μA) | (V) | Min. | Nom. | Max. | (mA) | (V) | (A) |
| P4SMA43C | SN | 1 | 34.8 | 38.7 | 43 | 47.3 | 1 | 61.9 | 6.8 |
| P4SMA43CA | SO | 1 | 36.8 | 40.9 | 43 | 45.2 | 1 | 59.3 | 6.7 |
| P4SMA47C | SP | 1 | 38.1 | 42.3 | 47 | 51.7 | 1 | 67.8 | 6.2 |
| P4SMA47CA | SR | 1 | 40.2 | 44.7 | 47 | 49.4 | 1 | 64.8 | 6.2 |
| P4SMA51C | SS | 1 | 41.3 | 45.9 | 51 | 56.1 | 1 | 73.5 | 5.7 |
| P4SMA51CA | CA | 1 | 43.6 | 48.5 | 51 | 53.6 | 1 | 70.1 | 5.7 |
| P4SMA56C | ST | 1 | 45.4 | 50.4 | 56 | 61.6 | 1 | 80.5 | 5.2 |
| P4SMA56CA | CB | 1 | 47.8 | 53.2 | 56 | 58.8 | 1 | 77.0 | 5.2 |
| P4SMA62C | SU | 1 | 50.2 | 55.8 | 62 | 68.2 | 1 | 89.0 | 4.7 |
| P4SMA62CA | CI | 1 | 53.0 | 58.9 | 62 | 65.1 | 1 | 85.0 | 4.7 |
| P4SMA68C | SW | 1 | 55.1 | 61.2 | 68 | 74.8 | 1 | 98.0 | 4.3 |
| P4SMA68CA | UY | 1 | 58.1 | 64.6 | 68 | 71.4 | 1 | 92.0 | 4.3 |
| P4SMA75C | SY | 1 | 60.7 | 67.5 | 75 | 82.5 | 1 | 108 | 3.9 |
| P4SMA75CA | SZ | 1 | 64.1 | 71.3 | 75 | 78.8 | 1 | 103 | 3.9 |
| P4SMA82C | WA | 1 | 66.4 | 73.8 | 82 | 90.2 | 1 | 118 | 3.6 |
| P4SMA82CA | PB | 1 | 70.1 | 77.9 | 82 | 86.1 | 1 | 113 | 3.5 |
| P4SMA91C | WC | 1 | 73.7 | 81.9 | 91 | 100 | 1 | 131 | 3.2 |
| P4SMA91CA | PC | 1 | 77.8 | 86.5 | 91 | 95.5 | 1 | 125 | 3.2 |
| P4SMA100C | WE | 1 | 81.0 | 90.00 | 100 | 110 | 1 | 144 | 2.9 |
| P4SMA100CA | CJ | 1 | 85.5 | 95.0 | 100 | 105 | 1 | 137 | 2.9 |
| P4SMA110C | WG | 1 | 89.2 | 99.0 | 110 | 121 | 1 | 158 | 2.7 |
| P4SMA110CA | PJ | 1 | 94.0 | 105 | 110 | 116 | 1 | 152 | 2.0 |
| P4SMA120C | WI | 1 | 97.2 | 108 | 120 | 132 | 1 | 173 | 2.4 |
| P4SMA120CA | PO | 1 | 102 | 114 | 120 | 126 | 1 | 165 | 1.8 |
| P4SMA130C | WK | 1 | 105 | 117 | 130 | 143 | 1 | 187 | 2.2 |
| P4SMA130CA | NA | 1 | 111 | 124 | 130 | 137 | 1 | 179 | 1.7 |
| P4SMA150C | WM | 1 | 121 | 135 | 150 | 165 | 1 | 215 | 2.0 |
| P4SMA150CA | NB | 1 | 128 | 143 | 150 | 158 | 1 | 207 | 1.4 |
| P4SMA160C | WO | 1 | 130 | 144 | 160 | 176 | 1 | 230 | 1.8 |
| P4SMA160CA | NC | 1 | 136 | 152 | 160 | 168 | 1 | 219 | 1.4 |
| P4SMA170C | WR | 1 | 138 | 153 | 170 | 187 | 1 | 244 | 1.7 |
| P4SMA170CA | NI | 1 | 145 | 162 | 170 | 179 | 1 | 234 | 1.3 |
| P4SMA180C | WT | 1 | 146 | 162 | 180 | 198 | 1 | 258 | 1.6 |
| P4SMA180CA | NO | 1 | 154 | 171 | 180 | 189 | 1 | 246 | 1.2 |
| P4SMA200C | WV | 1 | 162 | 180 | 200 | 220 | 1 | 287 | 1.5 |
| P4SMA200CA | MA | 1 | 171 | 190 | 200 | 210 | 1 | 274 | 1.45 |
| P4SMA220C | WX | 1 | 175 | 198 | 220 | 242 | 1 | 344 | 1.16 |
| P4SMA220CA | MB | 1 | 185 | 209 | 220 | 231 | 1 | 328 | 1.21 |
| P4SMA250C | MI | 1 | 202 | 225 | 250 | 275 | 1 | 360 | 1.11 |
| P4SMA250CA | MJ | 1 | 214 | 237 | 250 | 263 | 1 | 344 | 1.16 |
| P4SMA260CA | MO | 1 | 232 | 247 | 260 | 273 | 1 | 360 | 1.11 |

(1) Tested with pulses.
Pulse test: $t_p \leq 50$ ms; $\delta < 2\%$

400 W Surface Mount Transient Voltage Suppressor

Ratings and Characteristics (Ta 25 °C unless otherwise noted)



400 W Surface Mount Transient Voltage Suppressor**Revision History**

| Date | Revision | Description of Changes |
|-------------|-----------------|--|
| 14-Sep-2012 | 0 | Original Data Sheet |
| 01-Mar-2013 | 1 | 480V to 540V Reference included for Unidirectional |
| 20-Jun-2013 | 2 | 350V Reference included for Unidirectional |

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