

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



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
- Marking:
 Unidirectional – Device Code and Cathode Band
 Bidirectional – Device Code Only
- Weight: 0.064 grams (approx.)

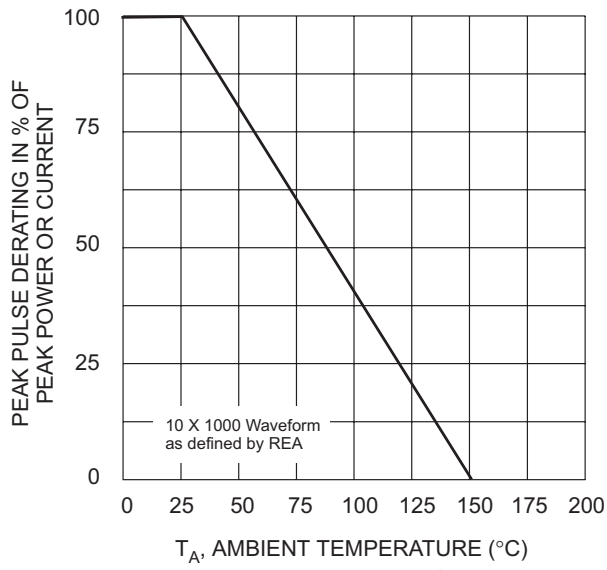
| SMA/DO-214AC | | |
|----------------------|-------|-------|
| Dim | Min | Max |
| A | 2.50 | 2.90 |
| B | 4.00 | 4.60 |
| C | 1.40 | 1.60 |
| D | 0.152 | 0.305 |
| E | 4.80 | 5.28 |
| F | 2.00 | 2.44 |
| G | 0.051 | 0.203 |
| H | 0.76 | 1.52 |
| All Dimensions in mm | | |

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

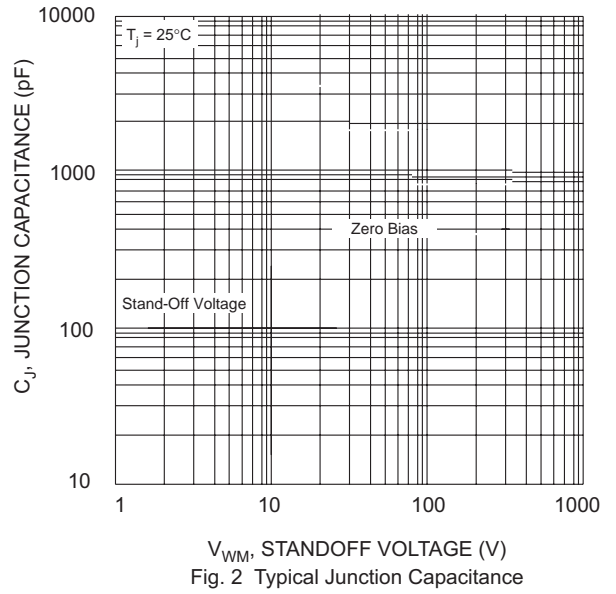
Maximum Ratings and Electrical Characteristics @ $T_A=25^\circ\text{C}$ unless otherwise specified

| Characteristic | Symbol | Value | Unit |
|--|----------------|-------------|------------------|
| Peak Pulse Power Dissipation at $T_A = 25^\circ\text{C}$ (Note 1, 2, 5) Figure 3 | PPPM | 400 Minimum | W |
| Peak Forward Surge Current (Note 3) | IFSM | 40 | A |
| Peak Pulse Current on 10/1000 μs Waveform (Note 1) Figure 4 | IPPM | See Table 1 | A |
| Steady State Power Dissipation (Note 4) | PM(AV) | 1.0 | W |
| Operating and Storage Temperature Range | T_j, T_{STG} | -55 to +150 | $^\circ\text{C}$ |

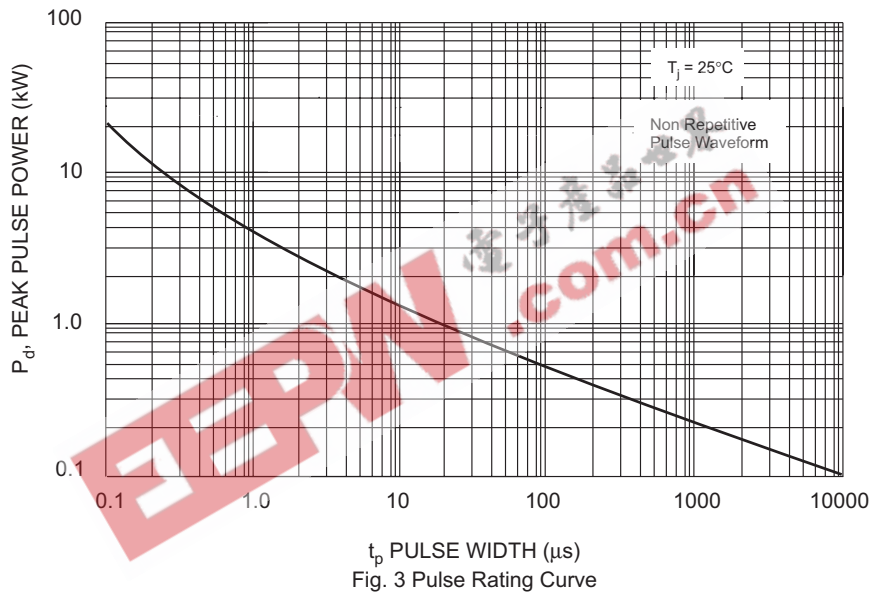
- Note: 1. Non-repetitive current pulse, per Figure 4 and derated above $T_A = 25^\circ\text{C}$ per Figure 1.
 2. Mounted on 5.0mm² copper pads to each terminal.
 3. 8.3ms single half sine-wave duty cycle = 4 pulses per minutes maximum.
 4. Lead temperature at $75^\circ\text{C} = T_L$.
 5. Peak pulse power waveform is 10/1000 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

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. @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) |
|--------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| P4SMAJ5.0 | HD | 5.00 | 6.40 | 7.55 | 10 | 9.6 | 41.6 | 800 |
| P4SMAJ5.0A | HE | 5.00 | 6.40 | 7.25 | 10 | 9.2 | 43.5 | 800 |
| P4SMAJ6.0 | HF | 6.00 | 6.67 | 8.45 | 10 | 11.4 | 35.1 | 800 |
| P4SMAJ6.0A | HG | 6.00 | 6.67 | 7.67 | 10 | 10.3 | 38.8 | 800 |
| P4SMAJ6.5 | HH | 6.50 | 7.22 | 9.14 | 10 | 12.3 | 32.5 | 500 |
| P4SMAJ6.5A | HK | 6.50 | 7.22 | 8.30 | 10 | 11.2 | 35.7 | 500 |
| P4SMAJ7.0 | HL | 7.00 | 7.78 | 9.86 | 10 | 13.3 | 30.1 | 200 |
| P4SMAJ7.0A | HM | 7.00 | 7.78 | 8.95 | 10 | 12.0 | 33.3 | 200 |
| P4SMAJ7.5 | HN | 7.50 | 8.33 | 10.67 | 1 | 14.3 | 28.0 | 100 |
| P4SMAJ7.5A | HP | 7.50 | 8.33 | 9.58 | 1 | 12.9 | 31.0 | 100 |
| P4SMAJ8.0 | HQ | 8.00 | 8.99 | 11.30 | 1 | 15.0 | 26.5 | 50 |
| P4SMAJ8.0A | HR | 8.00 | 8.99 | 10.23 | 1 | 13.6 | 29.4 | 50 |
| P4SMAJ8.5 | HS | 8.50 | 9.44 | 11.92 | 1 | 15.9 | 25.1 | 10 |
| P4SMAJ8.5A | HT | 8.50 | 9.44 | 10.82 | 1 | 14.4 | 27.7 | 10 |
| P4SMAJ9.0 | HU | 9.00 | 10.00 | 12.60 | 1 | 16.9 | 23.6 | 5 |
| P4SMAJ9.0A | HV | 9.00 | 10.00 | 11.50 | 1 | 15.4 | 26.0 | 5 |
| P4SMAJ10 | HW | 10.00 | 11.10 | 14.10 | 1 | 18.8 | 21.2 | 5 |
| P4SMAJ10A | HX | 10.00 | 11.10 | 12.80 | 1 | 17.0 | 23.5 | 5 |
| P4SMAJ11 | HY | 11.00 | 12.20 | 15.40 | 1 | 20.1 | 20.0 | 5 |
| P4SMAJ11A | HZ | 11.00 | 12.20 | 14.00 | 1 | 18.2 | 22.0 | 5 |
| P4SMAJ12 | ID | 12.00 | 13.30 | 16.90 | 1 | 22.0 | 18.1 | 5 |
| P4SMAJ12A | IE | 12.00 | 13.30 | 15.30 | 1 | 19.9 | 20.1 | 5 |
| P4SMAJ13 | IF | 13.00 | 14.40 | 18.20 | 1 | 23.8 | 16.8 | 5 |
| P4SMAJ13A | IG | 13.00 | 14.40 | 16.50 | 1 | 21.5 | 18.6 | 5 |
| P4SMAJ14 | IH | 14.00 | 15.60 | 19.80 | 1 | 25.8 | 15.5 | 5 |
| P4SMAJ14A | IK | 14.00 | 15.60 | 17.90 | 1 | 23.2 | 17.2 | 5 |
| P4SMAJ15 | IL | 15.00 | 16.70 | 21.10 | 1 | 26.9 | 14.8 | 5 |
| P4SMAJ15A | IM | 15.00 | 16.70 | 19.20 | 1 | 24.4 | 16.4 | 5 |
| P4SMAJ16 | IN | 16.00 | 17.80 | 22.60 | 1 | 28.8 | 13.8 | 5 |
| P4SMAJ16A | IP | 16.00 | 17.80 | 20.50 | 1 | 26.0 | 15.3 | 5 |
| P4SMAJ17 | IQ | 17.00 | 18.90 | 23.90 | 1 | 30.5 | 13.1 | 5 |
| P4SMAJ17A | IR | 17.00 | 18.90 | 21.70 | 1 | 27.6 | 14.5 | 5 |
| P4SMAJ18 | IS | 18.00 | 20.00 | 25.30 | 1 | 32.2 | 12.4 | 5 |
| P4SMAJ18A | IT | 18.00 | 20.00 | 23.30 | 1 | 29.2 | 13.7 | 5 |
| P4SMAJ20 | IU | 20.00 | 22.20 | 28.10 | 1 | 35.8 | 11.1 | 5 |
| P4SMAJ20A | IV | 20.00 | 22.20 | 25.50 | 1 | 32.4 | 12.3 | 5 |
| P4SMAJ22 | IW | 22.00 | 24.40 | 30.90 | 1 | 39.4 | 10.1 | 5 |
| P4SMAJ22A | IX | 22.00 | 24.40 | 28.00 | 1 | 35.5 | 11.2 | 5 |
| P4SMAJ24 | IY | 24.00 | 26.70 | 33.80 | 1 | 43.0 | 9.3 | 5 |
| P4SMAJ24A | IZ | 24.00 | 26.70 | 30.70 | 1 | 38.9 | 10.3 | 5 |
| P4SMAJ26 | JD | 26.00 | 28.90 | 36.60 | 1 | 46.6 | 8.6 | 5 |
| P4SMAJ26A | JE | 26.00 | 28.90 | 33.20 | 1 | 42.1 | 9.5 | 5 |
| P4SMAJ28 | JF | 28.00 | 31.10 | 39.40 | 1 | 50.0 | 8.0 | 5 |
| P4SMAJ28A | JG | 28.00 | 31.10 | 35.80 | 1 | 45.4 | 8.8 | 5 |
| P4SMAJ30 | JH | 30.00 | 33.30 | 42.20 | 1 | 53.5 | 7.5 | 5 |
| P4SMAJ30A | JK | 30.00 | 33.30 | 38.30 | 1 | 48.4 | 8.3 | 5 |
| P4SMAJ33 | JL | 33.00 | 36.70 | 46.50 | 1 | 59.0 | 6.8 | 5 |
| P4SMAJ33A | JM | 33.00 | 36.70 | 42.20 | 1 | 53.3 | 7.5 | 5 |
| P4SMAJ36 | JN | 36.00 | 40.00 | 50.70 | 1 | 64.3 | 6.2 | 5 |
| P4SMAJ36A | JP | 36.00 | 40.00 | 46.00 | 1 | 58.1 | 6.9 | 5 |
| P4SMAJ40 | JQ | 40.00 | 44.40 | 56.30 | 1 | 71.4 | 5.6 | 5 |
| P4SMAJ40A | JR | 40.00 | 44.40 | 51.10 | 1 | 64.5 | 6.2 | 5 |
| P4SMAJ43 | JS | 43.00 | 47.80 | 60.50 | 1 | 76.7 | 5.2 | 5 |
| P4SMAJ43A | JT | 43.00 | 47.80 | 54.90 | 1 | 69.4 | 5.7 | 5 |
| P4SMAJ45 | JU | 45.00 | 50.00 | 63.30 | 1 | 80.3 | 5.0 | 5 |
| P4SMAJ45A | JV | 45.00 | 50.00 | 57.50 | 1 | 72.7 | 5.5 | 5 |
| P4SMAJ48 | JW | 48.00 | 53.30 | 67.50 | 1 | 85.5 | 4.7 | 5 |
| P4SMAJ48A | JX | 48.00 | 53.30 | 61.30 | 1 | 77.4 | 5.2 | 5 |
| P4SMAJ51 | JY | 51.00 | 56.70 | 71.80 | 1 | 91.1 | 4.4 | 5 |
| P4SMAJ51A | JZ | 51.00 | 56.70 | 65.20 | 1 | 82.4 | 4.9 | 5 |
| P4SMAJ54 | RD | 54.00 | 60.00 | 76.00 | 1 | 96.3 | 4.2 | 5 |
| P4SMAJ54A | RE | 54.00 | 60.00 | 69.00 | 1 | 87.1 | 4.6 | 5 |
| P4SMAJ58 | RF | 58.00 | 64.40 | 81.60 | 1 | 103.0 | 3.9 | 5 |
| P4SMAJ58A | RG | 58.00 | 64.40 | 74.10 | 1 | 93.6 | 4.3 | 5 |
| P4SMAJ60 | RH | 60.00 | 66.70 | 84.50 | 1 | 107.0 | 3.7 | 5 |
| P4SMAJ60A | RK | 60.00 | 66.70 | 76.70 | 1 | 96.8 | 4.1 | 5 |
| P4SMAJ64 | RL | 64.00 | 71.10 | 90.10 | 1 | 114.0 | 3.5 | 5 |
| P4SMAJ64A | RM | 64.00 | 71.10 | 81.80 | 1 | 103.0 | 3.9 | 5 |
| P4SMAJ70 | RN | 70.00 | 77.80 | 98.60 | 1 | 125.0 | 3.2 | 5 |
| P4SMAJ70A | RP | 70.00 | 77.80 | 89.50 | 1 | 113.0 | 3.5 | 5 |
| P4SMAJ75 | RQ | 75.00 | 83.30 | 105.70 | 1 | 134.0 | 3.0 | 5 |
| P4SMAJ75A | RR | 75.00 | 83.30 | 95.80 | 1 | 121.0 | 3.3 | 5 |
| P4SMAJ78 | RS | 78.00 | 86.70 | 109.80 | 1 | 139.0 | 2.9 | 5 |
| P4SMAJ78A | RT | 78.00 | 86.70 | 99.70 | 1 | 126.0 | 2.2 | 5 |
| P4SMAJ85 | RU | 85.00 | 94.40 | 119.20 | 1 | 151.0 | 2.6 | 5 |
| P4SMAJ85A | RV | 85.00 | 94.40 | 108.20 | 1 | 137.0 | 2.9 | 5 |
| P4SMAJ90 | RW | 90.00 | 100.00 | 126.50 | 1 | 160.0 | 2.5 | 5 |
| P4SMAJ90A | RX | 90.00 | 100.00 | 115.50 | 1 | 146.0 | 2.7 | 5 |
| P4SMAJ100 | RY | 100.00 | 111.00 | 141.00 | 1 | 179.0 | 2.2 | 5 |
| P4SMAJ100A | RZ | 100.00 | 111.00 | 128.00 | 1 | 162.0 | 2.5 | 5 |
| P4SMAJ110 | SD | 110.00 | 122.00 | 154.50 | 1 | 196.0 | 2.0 | 5 |
| P4SMAJ110A | SE | 110.00 | 122.00 | 140.50 | 1 | 177.0 | 2.3 | 5 |
| P4SMAJ120 | SF | 120.00 | 133.00 | 169.00 | 1 | 214.0 | 1.9 | 5 |
| P4SMAJ120A | SG | 120.00 | 133.00 | 153.00 | 1 | 193.0 | 2.0 | 5 |
| P4SMAJ130 | SH | 130.00 | 144.00 | 182.50 | 1 | 231.0 | 1.7 | 5 |
| P4SMAJ130A | SK | 130.00 | 144.00 | 165.50 | 1 | 209.0 | 1.9 | 5 |
| P4SMAJ150 | SL | 150.00 | 167.00 | 211.50 | 1 | 269.0 | 1.5 | 5 |
| P4SMAJ150A | SM | 150.00 | 167.00 | 192.50 | 1 | 243.0 | 1.6 | 5 |
| P4SMAJ160 | SN | 160.00 | 178.00 | 226.00 | 1 | 287.0 | 1.4 | 5 |
| P4SMAJ160A | SP | 160.00 | 178.00 | 205.00 | 1 | 259.0 | 1.5 | 5 |
| P4SMAJ170 | SQ | 170.00 | 189.00 | 239.50 | 1 | 304.0 | 1.3 | 5 |
| P4SMAJ170A | SR | 170.00 | 189.00 | 217.50 | 1 | 275.0 | 1.4 | 5 |

BI-DIRECTIONAL 400 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) |
|-------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| P4SMAJ5.0C | TD | 5.00 | 6.40 | 7.55 | 10 | 9.6 | 41.6 | 1600 |
| P4SMAJ5.0CA | TE | 5.00 | 6.40 | 7.25 | 10 | 9.2 | 43.5 | 1600 |
| P4SMAJ6.0C | TF | 6.00 | 6.67 | 8.45 | 10 | 11.4 | 35.1 | 1600 |
| P4SMAJ6.0CA | TG | 6.00 | 6.67 | 7.67 | 10 | 10.3 | 38.8 | 1600 |
| P4SMAJ6.5C | TH | 6.50 | 7.22 | 9.14 | 10 | 12.3 | 32.5 | 1000 |
| P4SMAJ6.5CA | TK | 6.50 | 7.22 | 8.30 | 10 | 11.2 | 35.7 | 1000 |
| P4SMAJ7.0C | TL | 7.00 | 7.78 | 9.86 | 10 | 13.3 | 30.1 | 400 |
| P4SMAJ7.0CA | TM | 7.00 | 7.78 | 8.95 | 10 | 12.0 | 33.3 | 400 |
| P4SMAJ7.5C | TN | 7.50 | 8.33 | 10.67 | 1 | 14.3 | 28.0 | 200 |
| P4SMAJ7.5CA | TP | 7.50 | 8.33 | 9.58 | 1 | 12.9 | 31.0 | 200 |
| P4SMAJ8.0C | TQ | 8.00 | 8.99 | 11.30 | 1 | 15.0 | 26.5 | 100 |
| P4SMAJ8.0CA | TR | 8.00 | 8.99 | 10.23 | 1 | 13.6 | 29.4 | 100 |
| P4SMAJ8.5C | TS | 8.50 | 9.44 | 11.92 | 1 | 15.9 | 25.1 | 20 |
| P4SMAJ8.5CA | TT | 8.50 | 9.44 | 10.82 | 1 | 14.4 | 27.7 | 20 |
| P4SMAJ9.0C | TU | 9.00 | 10.00 | 12.60 | 1 | 16.9 | 23.6 | 10 |
| P4SMAJ9.0CA | TV | 9.00 | 10.00 | 11.50 | 1 | 15.4 | 26.0 | 10 |
| P4SMAJ10C | TW | 10.00 | 11.10 | 14.10 | 1 | 18.8 | 21.2 | 5 |
| P4SMAJ10CA | TX | 10.00 | 11.10 | 12.80 | 1 | 17.0 | 23.5 | 5 |
| P4SMAJ11C | TY | 11.00 | 12.20 | 15.40 | 1 | 20.1 | 20.0 | 5 |
| P4SMAJ11CA | TZ | 11.00 | 12.20 | 14.00 | 1 | 18.2 | 22.0 | 5 |
| P4SMAJ12C | UD | 12.00 | 13.30 | 16.90 | 1 | 22.0 | 18.1 | 5 |
| P4SMAJ12CA | UE | 12.00 | 13.30 | 15.30 | 1 | 19.9 | 20.1 | 5 |
| P4SMAJ13C | UF | 13.00 | 14.40 | 18.20 | 1 | 23.8 | 16.8 | 5 |
| P4SMAJ13CA | UG | 13.00 | 14.40 | 16.50 | 1 | 21.5 | 18.6 | 5 |
| P4SMAJ14C | UH | 14.00 | 15.60 | 19.80 | 1 | 25.8 | 15.5 | 5 |
| P4SMAJ14CA | UK | 14.00 | 15.60 | 17.90 | 1 | 23.2 | 17.2 | 5 |
| P4SMAJ15C | UL | 15.00 | 16.70 | 21.10 | 1 | 26.9 | 14.8 | 5 |
| P4SMAJ15CA | UM | 15.00 | 16.70 | 19.20 | 1 | 24.4 | 16.4 | 5 |
| P4SMAJ16C | UN | 16.00 | 17.80 | 22.60 | 1 | 28.8 | 13.8 | 5 |
| P4SMAJ16CA | UP | 16.00 | 17.80 | 20.50 | 1 | 26.0 | 15.3 | 5 |
| P4SMAJ17C | UQ | 17.00 | 18.90 | 23.90 | 1 | 30.5 | 13.1 | 5 |
| P4SMAJ17CA | UR | 17.00 | 18.90 | 21.70 | 1 | 27.6 | 14.5 | 5 |
| P4SMAJ18C | US | 18.00 | 20.00 | 25.30 | 1 | 32.2 | 12.4 | 5 |
| P4SMAJ18CA | UT | 18.00 | 20.00 | 23.30 | 1 | 29.2 | 13.7 | 5 |
| P4SMAJ20C | UU | 20.00 | 22.20 | 28.10 | 1 | 35.8 | 11.1 | 5 |
| P4SMAJ20CA | UV | 20.00 | 22.20 | 25.50 | 1 | 32.4 | 12.3 | 5 |
| P4SMAJ22C | UW | 22.00 | 24.40 | 30.90 | 1 | 39.4 | 10.1 | 5 |
| P4SMAJ22CA | UX | 22.00 | 24.40 | 28.00 | 1 | 35.5 | 11.2 | 5 |
| P4SMAJ24C | UY | 24.00 | 26.70 | 33.80 | 1 | 43.0 | 9.3 | 5 |
| P4SMAJ24CA | UZ | 24.00 | 26.70 | 30.70 | 1 | 38.9 | 10.3 | 5 |
| P4SMAJ26C | VD | 26.00 | 28.90 | 36.60 | 1 | 46.6 | 8.6 | 5 |
| P4SMAJ26CA | VE | 26.00 | 28.90 | 33.20 | 1 | 42.1 | 9.5 | 5 |
| P4SMAJ28C | VF | 28.00 | 31.10 | 39.40 | 1 | 50.0 | 8.0 | 5 |
| P4SMAJ28CA | VG | 28.00 | 31.10 | 35.80 | 1 | 45.4 | 8.8 | 5 |
| P4SMAJ30C | VH | 30.00 | 33.30 | 42.20 | 1 | 53.5 | 7.2 | 5 |
| P4SMAJ30CA | VK | 30.00 | 33.30 | 38.30 | 1 | 48.4 | 8.3 | 5 |
| P4SMAJ33C | VL | 33.00 | 36.70 | 46.50 | 1 | 59.0 | 6.8 | 5 |
| P4SMAJ33CA | VM | 33.00 | 36.70 | 42.20 | 1 | 53.3 | 7.5 | 5 |
| P4SMAJ36C | VN | 36.00 | 40.00 | 50.70 | 1 | 64.3 | 6.2 | 5 |
| P4SMAJ36CA | VP | 36.00 | 40.00 | 46.00 | 1 | 58.1 | 6.9 | 5 |
| P4SMAJ40C | VQ | 40.00 | 44.40 | 56.30 | 1 | 71.4 | 5.6 | 5 |
| P4SMAJ40CA | VR | 40.00 | 44.40 | 51.10 | 1 | 64.5 | 6.2 | 5 |
| P4SMAJ43C | VS | 43.00 | 47.80 | 60.50 | 1 | 76.7 | 5.2 | 5 |
| P4SMAJ43CA | VT | 43.00 | 47.80 | 54.90 | 1 | 69.4 | 5.7 | 5 |
| P4SMAJ45C | VU | 45.00 | 50.00 | 63.30 | 1 | 80.3 | 5.0 | 5 |
| P4SMAJ45CA | VV | 45.00 | 50.00 | 57.50 | 1 | 72.7 | 5.5 | 5 |
| P4SMAJ48C | VW | 48.00 | 53.30 | 67.50 | 1 | 85.5 | 4.7 | 5 |
| P4SMAJ48CA | VX | 48.00 | 53.30 | 61.30 | 1 | 77.4 | 5.2 | 5 |
| P4SMAJ51C | VY | 51.00 | 56.70 | 71.80 | 1 | 91.1 | 4.4 | 5 |
| P4SMAJ51CA | VZ | 51.00 | 56.70 | 65.20 | 1 | 82.4 | 4.9 | 5 |
| P4SMAJ54C | WD | 54.00 | 60.00 | 76.00 | 1 | 96.3 | 4.2 | 5 |
| P4SMAJ54CA | WE | 54.00 | 60.00 | 69.00 | 1 | 87.1 | 4.6 | 5 |
| P4SMAJ58C | WF | 58.00 | 64.40 | 81.60 | 1 | 103.0 | 3.9 | 5 |
| P4SMAJ58CA | WG | 58.00 | 64.40 | 74.10 | 1 | 93.6 | 4.3 | 5 |
| P4SMAJ60C | WH | 60.00 | 66.70 | 84.50 | 1 | 107.0 | 3.7 | 5 |
| P4SMAJ60CA | WK | 60.00 | 66.70 | 76.70 | 1 | 96.8 | 4.1 | 5 |
| P4SMAJ64C | WL | 64.00 | 71.10 | 90.10 | 1 | 114.0 | 3.5 | 5 |
| P4SMAJ64CA | WM | 64.00 | 71.10 | 81.80 | 1 | 103.0 | 3.9 | 5 |
| P4SMAJ70C | WN | 70.00 | 77.80 | 98.60 | 1 | 125.0 | 3.2 | 5 |
| P4SMAJ70CA | WP | 70.00 | 77.80 | 89.50 | 1 | 113.0 | 3.5 | 5 |
| P4SMAJ75C | WQ | 75.00 | 83.30 | 105.70 | 1 | 134.0 | 3.0 | 5 |
| P4SMAJ75CA | WR | 75.00 | 83.30 | 95.80 | 1 | 121.0 | 3.3 | 5 |
| P4SMAJ78C | WS | 78.00 | 86.70 | 109.80 | 1 | 139.0 | 2.9 | 5 |
| P4SMAJ78CA | WT | 78.00 | 86.70 | 99.70 | 1 | 126.0 | 2.2 | 5 |
| P4SMAJ85C | WU | 85.00 | 94.40 | 119.20 | 1 | 151.0 | 2.6 | 5 |
| P4SMAJ85CA | WV | 85.00 | 94.40 | 108.20 | 1 | 137.0 | 2.9 | 5 |
| P4SMAJ90C | WW | 90.00 | 100.00 | 126.50 | 1 | 160.0 | 2.5 | 5 |
| P4SMAJ90CA | WX | 90.00 | 100.00 | 115.50 | 1 | 146.0 | 2.7 | 5 |
| P4SMAJ100C | WY | 100.00 | 111.00 | 141.00 | 1 | 179.0 | 2.2 | 5 |
| P4SMAJ100CA | WZ | 100.00 | 111.00 | 128.00 | 1 | 162.0 | 2.5 | 5 |
| P4SMAJ110C | XD | 110.00 | 122.00 | 154.50 | 1 | 196.0 | 2.0 | 5 |
| P4SMAJ110CA | XE | 110.00 | 122.00 | 140.50 | 1 | 177.0 | 2.3 | 5 |
| P4SMAJ120C | XF | 120.00 | 133.00 | 169.00 | 1 | 214.0 | 1.9 | 5 |
| P4SMAJ120CA | XG | 120.00 | 133.00 | 153.00 | 1 | 193.0 | 2.0 | 5 |
| P4SMAJ130C | XH | 130.00 | 144.00 | 182.50 | 1 | 231.0 | 1.7 | 5 |
| P4SMAJ130CA | XK | 130.00 | 144.00 | 165.50 | 1 | 209.0 | 1.9 | 5 |
| P4SMAJ150C | XL | 150.00 | 167.00 | 211.50 | 1 | 269.0 | 1.5 | 5 |
| P4SMAJ150CA | XM | 150.00 | 167.00 | 192.50 | 1 | 243.0 | 1.6 | 5 |
| P4SMAJ160C | XN | 160.00 | 178.00 | 226.00 | 1 | 287.0 | 1.4 | 5 |
| P4SMAJ160CA | XP | 160.00 | 178.00 | 205.00 | 1 | 259.0 | 1.5 | 5 |
| P4SMAJ170C | XQ | 170.00 | 189.00 | 239.50 | 1 | 304.0 | 1.3 | 5 |
| P4SMAJ170CA | XR | 170.00 | 189.00 | 217.50 | 1 | 275.0 | 1.4 | 5 |

ORDERING INFORMATION

| Product No.♦ | Package Type | Shipping Quantity |
|----------------------|--------------|-------------------|
| P4SMAJxx-T1 | SMA | 1800/Tape & Reel |
| P4SMAJxx-T3 | SMA | 7500/Tape & Reel |
| P4SMAJxxA-T1 | SMA | 1800/Tape & Reel |
| P4SMAJxxA-T3 | SMA | 7500/Tape & Reel |
| P4SMAJxxC-T1 | SMA | 1800/Tape & Reel |
| P4SMAJxxC-T3 | SMA | 7500/Tape & Reel |
| P4SMAJxxCA-T1 | SMA | 1800/Tape & Reel |
| P4SMAJxxCA-T3 | SMA | 7500/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



Won-Top Electronics Co., Ltd (WTE) has checked all information carefully and believes it to be correct and accurate. However, WTE cannot assume any responsibility for inaccuracies. Furthermore, this information does not give the purchaser of semiconductor devices any license under patent rights to manufacturer. WTE reserves the right to change any or all information herein without further notice.

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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We power your everyday.