

### 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: SMA/DO-214AC, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band Except Bi-Directional
- Marking: Device Code
- Weight: 0.064 grams (approx.)
- **Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 6**

| SMA/DO-214AC         |       |       |
|----------------------|-------|-------|
| Dim                  | Min   | Max   |
| A                    | 2.50  | 2.90  |
| B                    | 4.00  | 4.60  |
| C                    | 1.20  | 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 $\mu\text{s}$ 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 5.0mm<sup>2</sup> copper pad to each terminal.  
 3. 8.3ms single half sine-wave duty cycle = 4 pulses per minutes maximum.  
 4. Lead temperature at 75 $^\circ\text{C}$ .  
 5. Peak pulse power waveform is 10/1000 $\mu\text{s}$ .



Fig. 1 Pulse Derating Curve



Fig. 2 Typical Junction Capacitance



Fig. 3 Pulse Rating Curve



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                       | 1                             |
| P4SMAJ10A                | HX                  | 10.00                              | 11.10                              | 12.80                              | 1                    | 17.0                                 | 23.5                       | 1                             |
| P4SMAJ11                 | HY                  | 11.00                              | 12.20                              | 15.40                              | 1                    | 20.1                                 | 20.0                       | 1                             |
| P4SMAJ11A                | HZ                  | 11.00                              | 12.20                              | 14.00                              | 1                    | 18.2                                 | 22.0                       | 1                             |
| P4SMAJ12                 | ID                  | 12.00                              | 13.30                              | 16.90                              | 1                    | 22.0                                 | 18.1                       | 1                             |
| P4SMAJ12A                | IE                  | 12.00                              | 13.30                              | 15.30                              | 1                    | 19.9                                 | 20.1                       | 1                             |
| P4SMAJ13                 | IF                  | 13.00                              | 14.40                              | 18.20                              | 1                    | 23.8                                 | 16.8                       | 1                             |
| P4SMAJ13A                | IG                  | 13.00                              | 14.40                              | 16.50                              | 1                    | 21.5                                 | 18.6                       | 1                             |
| P4SMAJ14                 | IH                  | 14.00                              | 15.60                              | 19.80                              | 1                    | 25.8                                 | 15.5                       | 1                             |
| P4SMAJ14A                | IK                  | 14.00                              | 15.60                              | 17.90                              | 1                    | 23.2                                 | 17.2                       | 1                             |
| P4SMAJ15                 | IL                  | 15.00                              | 16.70                              | 21.10                              | 1                    | 26.9                                 | 14.8                       | 1                             |
| P4SMAJ15A                | IM                  | 15.00                              | 16.70                              | 19.20                              | 1                    | 24.4                                 | 16.4                       | 1                             |
| P4SMAJ16                 | IN                  | 16.00                              | 17.80                              | 22.60                              | 1                    | 28.8                                 | 13.8                       | 1                             |
| P4SMAJ16A                | IP                  | 16.00                              | 17.80                              | 20.50                              | 1                    | 26.0                                 | 15.3                       | 1                             |
| P4SMAJ17                 | IQ                  | 17.00                              | 18.90                              | 23.90                              | 1                    | 30.5                                 | 13.1                       | 1                             |
| P4SMAJ17A                | IR                  | 17.00                              | 18.90                              | 21.70                              | 1                    | 27.6                                 | 14.5                       | 1                             |
| P4SMAJ18                 | IS                  | 18.00                              | 20.00                              | 25.30                              | 1                    | 32.2                                 | 12.4                       | 1                             |
| P4SMAJ18A                | IT                  | 18.00                              | 20.00                              | 23.30                              | 1                    | 29.2                                 | 13.7                       | 1                             |
| P4SMAJ20                 | IU                  | 20.00                              | 22.20                              | 28.10                              | 1                    | 35.8                                 | 11.1                       | 1                             |
| P4SMAJ20A                | IV                  | 20.00                              | 22.20                              | 25.50                              | 1                    | 32.4                                 | 12.3                       | 1                             |
| P4SMAJ22                 | IW                  | 22.00                              | 24.40                              | 30.90                              | 1                    | 39.4                                 | 10.1                       | 1                             |
| P4SMAJ22A                | IX                  | 22.00                              | 24.40                              | 28.00                              | 1                    | 35.5                                 | 11.2                       | 1                             |
| P4SMAJ24                 | IY                  | 24.00                              | 26.70                              | 33.80                              | 1                    | 43.0                                 | 9.3                        | 1                             |
| P4SMAJ24A                | IZ                  | 24.00                              | 26.70                              | 30.70                              | 1                    | 38.9                                 | 10.3                       | 1                             |
| P4SMAJ26                 | JD                  | 26.00                              | 28.90                              | 36.60                              | 1                    | 46.6                                 | 8.6                        | 1                             |
| P4SMAJ26A                | JE                  | 26.00                              | 28.90                              | 33.20                              | 1                    | 42.1                                 | 9.5                        | 1                             |
| P4SMAJ28                 | JF                  | 28.00                              | 31.10                              | 39.40                              | 1                    | 50.0                                 | 8.0                        | 1                             |
| P4SMAJ28A                | JG                  | 28.00                              | 31.10                              | 35.80                              | 1                    | 45.4                                 | 8.8                        | 1                             |
| P4SMAJ30                 | JH                  | 30.00                              | 33.30                              | 42.20                              | 1                    | 53.5                                 | 7.5                        | 1                             |
| P4SMAJ30A                | JK                  | 30.00                              | 33.30                              | 38.30                              | 1                    | 48.4                                 | 8.3                        | 1                             |
| P4SMAJ33                 | JL                  | 33.00                              | 36.70                              | 46.50                              | 1                    | 59.0                                 | 6.8                        | 1                             |
| P4SMAJ33A                | JM                  | 33.00                              | 36.70                              | 42.20                              | 1                    | 53.3                                 | 7.5                        | 1                             |
| P4SMAJ36                 | JN                  | 36.00                              | 40.00                              | 50.70                              | 1                    | 64.3                                 | 6.2                        | 1                             |
| P4SMAJ36A                | JP                  | 36.00                              | 40.00                              | 46.00                              | 1                    | 58.1                                 | 6.9                        | 1                             |
| P4SMAJ40                 | JQ                  | 40.00                              | 44.40                              | 56.30                              | 1                    | 71.4                                 | 5.6                        | 1                             |
| P4SMAJ40A                | JR                  | 40.00                              | 44.40                              | 51.10                              | 1                    | 64.5                                 | 6.2                        | 1                             |
| P4SMAJ43                 | JS                  | 43.00                              | 47.80                              | 60.50                              | 1                    | 76.7                                 | 5.2                        | 1                             |
| P4SMAJ43A                | JT                  | 43.00                              | 47.80                              | 54.90                              | 1                    | 69.4                                 | 5.7                        | 1                             |
| P4SMAJ45                 | JU                  | 45.00                              | 50.00                              | 63.30                              | 1                    | 80.3                                 | 5.0                        | 1                             |
| P4SMAJ45A                | JV                  | 45.00                              | 50.00                              | 57.50                              | 1                    | 72.7                                 | 5.5                        | 1                             |
| P4SMAJ48                 | JW                  | 48.00                              | 53.30                              | 67.50                              | 1                    | 85.5                                 | 4.7                        | 1                             |
| P4SMAJ48A                | JX                  | 48.00                              | 53.30                              | 61.30                              | 1                    | 77.4                                 | 5.2                        | 1                             |
| P4SMAJ51                 | JY                  | 51.00                              | 56.70                              | 71.80                              | 1                    | 91.1                                 | 4.4                        | 1                             |
| P4SMAJ51A                | JZ                  | 51.00                              | 56.70                              | 65.20                              | 1                    | 82.4                                 | 4.9                        | 1                             |
| P4SMAJ54                 | RD                  | 54.00                              | 60.00                              | 76.00                              | 1                    | 96.3                                 | 4.2                        | 1                             |
| P4SMAJ54A                | RE                  | 54.00                              | 60.00                              | 69.00                              | 1                    | 87.1                                 | 4.6                        | 1                             |
| P4SMAJ58                 | RF                  | 58.00                              | 64.40                              | 81.60                              | 1                    | 103.0                                | 3.9                        | 1                             |
| P4SMAJ58A                | RG                  | 58.00                              | 64.40                              | 74.10                              | 1                    | 93.6                                 | 4.3                        | 1                             |
| P4SMAJ60                 | RH                  | 60.00                              | 66.70                              | 84.50                              | 1                    | 107.0                                | 3.7                        | 1                             |
| P4SMAJ60A                | RK                  | 60.00                              | 66.70                              | 76.70                              | 1                    | 96.8                                 | 4.1                        | 1                             |
| P4SMAJ64                 | RL                  | 64.00                              | 71.10                              | 90.10                              | 1                    | 114.0                                | 3.5                        | 1                             |
| P4SMAJ64A                | RM                  | 64.00                              | 71.10                              | 81.80                              | 1                    | 103.0                                | 3.9                        | 1                             |
| P4SMAJ70                 | RN                  | 70.00                              | 77.80                              | 98.60                              | 1                    | 125.0                                | 3.2                        | 1                             |
| P4SMAJ70A                | RP                  | 70.00                              | 77.80                              | 89.50                              | 1                    | 113.0                                | 3.5                        | 1                             |
| P4SMAJ75                 | RQ                  | 75.00                              | 83.30                              | 105.70                             | 1                    | 134.0                                | 3.0                        | 1                             |
| P4SMAJ75A                | RR                  | 75.00                              | 83.30                              | 95.80                              | 1                    | 121.0                                | 3.3                        | 1                             |
| P4SMAJ78                 | RS                  | 78.00                              | 86.70                              | 109.80                             | 1                    | 139.0                                | 2.9                        | 1                             |
| P4SMAJ78A                | RT                  | 78.00                              | 86.70                              | 99.70                              | 1                    | 126.0                                | 2.2                        | 1                             |
| P4SMAJ85                 | RU                  | 85.00                              | 94.40                              | 119.20                             | 1                    | 151.0                                | 2.6                        | 1                             |
| P4SMAJ85A                | RV                  | 85.00                              | 94.40                              | 108.20                             | 1                    | 137.0                                | 2.9                        | 1                             |
| P4SMAJ90                 | RW                  | 90.00                              | 100.00                             | 126.50                             | 1                    | 160.0                                | 2.5                        | 1                             |
| P4SMAJ90A                | RX                  | 90.00                              | 100.00                             | 115.50                             | 1                    | 146.0                                | 2.7                        | 1                             |
| P4SMAJ100                | RY                  | 100.00                             | 111.00                             | 141.00                             | 1                    | 179.0                                | 2.2                        | 1                             |
| P4SMAJ100A               | RZ                  | 100.00                             | 111.00                             | 128.00                             | 1                    | 162.0                                | 2.5                        | 1                             |
| P4SMAJ110                | SD                  | 110.00                             | 122.00                             | 154.50                             | 1                    | 196.0                                | 2.0                        | 1                             |
| P4SMAJ110A               | SE                  | 110.00                             | 122.00                             | 140.50                             | 1                    | 177.0                                | 2.3                        | 1                             |
| P4SMAJ120                | SF                  | 120.00                             | 133.00                             | 169.00                             | 1                    | 214.0                                | 1.9                        | 1                             |
| P4SMAJ120A               | SG                  | 120.00                             | 133.00                             | 153.00                             | 1                    | 193.0                                | 2.0                        | 1                             |
| P4SMAJ130                | SH                  | 130.00                             | 144.00                             | 182.50                             | 1                    | 231.0                                | 1.7                        | 1                             |
| P4SMAJ130A               | SK                  | 130.00                             | 144.00                             | 165.50                             | 1                    | 209.0                                | 1.9                        | 1                             |
| P4SMAJ150                | SL                  | 150.00                             | 167.00                             | 211.50                             | 1                    | 268.0                                | 1.5                        | 1                             |
| P4SMAJ150A               | SM                  | 150.00                             | 167.00                             | 192.50                             | 1                    | 243.0                                | 1.6                        | 1                             |
| P4SMAJ160                | SN                  | 160.00                             | 178.00                             | 226.00                             | 1                    | 287.0                                | 1.4                        | 1                             |
| P4SMAJ160A               | SP                  | 160.00                             | 178.00                             | 205.00                             | 1                    | 259.0                                | 1.5                        | 1                             |
| P4SMAJ170                | SQ                  | 170.00                             | 189.00                             | 239.50                             | 1                    | 304.0                                | 1.3                        | 1                             |
| P4SMAJ170A               | SR                  | 170.00                             | 189.00                             | 217.50                             | 1                    | 275.0                                | 1.4                        | 1                             |

## BI-DIRECTIONAL 400 WATT SURFACE MOUNT TVS

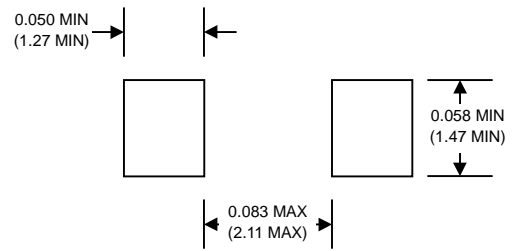
| BI-DIRECTIONAL PART NO. | DEVICE MARKING CODE | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @Ipp Vc (V) | PEAK PULSE CURRENT Ipp (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|-------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| 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                       | 5                             |
| P4SMAJ9.0CA             | TV                  | 9.00                               | 10.00                              | 11.50                              | 1                    | 15.4                                 | 26.0                       | 5                             |
| P4SMAJ10C               | TW                  | 10.00                              | 11.10                              | 14.10                              | 1                    | 18.8                                 | 21.2                       | 1                             |
| P4SMAJ10CA              | TX                  | 10.00                              | 11.10                              | 12.80                              | 1                    | 17.0                                 | 23.5                       | 1                             |
| P4SMAJ11C               | TY                  | 11.00                              | 12.20                              | 15.40                              | 1                    | 20.1                                 | 20.0                       | 1                             |
| P4SMAJ11CA              | TZ                  | 11.00                              | 12.20                              | 14.00                              | 1                    | 18.2                                 | 22.0                       | 1                             |
| P4SMAJ12C               | UD                  | 12.00                              | 13.30                              | 16.90                              | 1                    | 22.0                                 | 18.1                       | 1                             |
| P4SMAJ12CA              | UE                  | 12.00                              | 13.30                              | 15.30                              | 1                    | 19.9                                 | 20.1                       | 1                             |
| P4SMAJ13C               | UF                  | 13.00                              | 14.40                              | 18.20                              | 1                    | 23.8                                 | 16.8                       | 1                             |
| P4SMAJ13CA              | UG                  | 13.00                              | 14.40                              | 16.50                              | 1                    | 21.5                                 | 18.6                       | 1                             |
| P4SMAJ14C               | UH                  | 14.00                              | 15.60                              | 19.80                              | 1                    | 25.8                                 | 15.5                       | 1                             |
| P4SMAJ14CA              | UK                  | 14.00                              | 15.60                              | 17.90                              | 1                    | 23.2                                 | 17.2                       | 1                             |
| P4SMAJ15C               | UL                  | 15.00                              | 16.70                              | 21.10                              | 1                    | 26.9                                 | 14.8                       | 1                             |
| P4SMAJ15CA              | UM                  | 15.00                              | 16.70                              | 19.20                              | 1                    | 24.4                                 | 16.4                       | 1                             |
| P4SMAJ16C               | UN                  | 16.00                              | 17.80                              | 22.60                              | 1                    | 28.8                                 | 13.8                       | 1                             |
| P4SMAJ16CA              | UP                  | 16.00                              | 17.80                              | 20.50                              | 1                    | 26.0                                 | 15.3                       | 1                             |
| P4SMAJ17C               | UQ                  | 17.00                              | 18.90                              | 23.90                              | 1                    | 30.5                                 | 13.1                       | 1                             |
| P4SMAJ17CA              | UR                  | 17.00                              | 18.90                              | 21.70                              | 1                    | 27.6                                 | 14.5                       | 1                             |
| P4SMAJ18C               | US                  | 18.00                              | 20.00                              | 25.30                              | 1                    | 32.2                                 | 12.4                       | 1                             |
| P4SMAJ18CA              | UT                  | 18.00                              | 20.00                              | 23.30                              | 1                    | 29.2                                 | 13.7                       | 1                             |
| P4SMAJ20C               | UU                  | 20.00                              | 22.20                              | 28.10                              | 1                    | 35.8                                 | 11.1                       | 1                             |
| P4SMAJ20CA              | UV                  | 20.00                              | 22.20                              | 25.50                              | 1                    | 32.4                                 | 12.3                       | 1                             |
| P4SMAJ22C               | UW                  | 22.00                              | 24.40                              | 30.90                              | 1                    | 39.4                                 | 10.1                       | 1                             |
| P4SMAJ22CA              | UX                  | 22.00                              | 24.40                              | 28.00                              | 1                    | 35.5                                 | 11.2                       | 1                             |
| P4SMAJ24C               | UY                  | 24.00                              | 26.70                              | 33.80                              | 1                    | 43.0                                 | 9.3                        | 1                             |
| P4SMAJ24CA              | UZ                  | 24.00                              | 26.70                              | 30.70                              | 1                    | 38.9                                 | 10.3                       | 1                             |
| P4SMAJ26C               | VD                  | 26.00                              | 28.90                              | 36.60                              | 1                    | 46.6                                 | 8.6                        | 1                             |
| P4SMAJ26CA              | VE                  | 26.00                              | 28.90                              | 33.20                              | 1                    | 42.1                                 | 9.5                        | 1                             |
| P4SMAJ28C               | VF                  | 28.00                              | 31.10                              | 39.40                              | 1                    | 50.0                                 | 8.0                        | 1                             |
| P4SMAJ28CA              | VG                  | 28.00                              | 31.10                              | 35.80                              | 1                    | 45.4                                 | 8.8                        | 1                             |
| P4SMAJ30C               | VH                  | 30.00                              | 33.30                              | 42.20                              | 1                    | 53.5                                 | 7.5                        | 1                             |
| P4SMAJ30CA              | VK                  | 30.00                              | 33.30                              | 38.30                              | 1                    | 48.4                                 | 8.3                        | 1                             |
| P4SMAJ33C               | VL                  | 33.00                              | 36.70                              | 46.50                              | 1                    | 59.0                                 | 6.8                        | 1                             |
| P4SMAJ33CA              | VM                  | 33.00                              | 36.70                              | 42.20                              | 1                    | 53.3                                 | 7.5                        | 1                             |
| P4SMAJ36C               | VN                  | 36.00                              | 40.00                              | 50.70                              | 1                    | 64.3                                 | 6.2                        | 1                             |
| P4SMAJ36CA              | VP                  | 36.00                              | 40.00                              | 46.00                              | 1                    | 58.1                                 | 6.9                        | 1                             |
| P4SMAJ40C               | VQ                  | 40.00                              | 44.40                              | 56.30                              | 1                    | 71.4                                 | 5.6                        | 1                             |
| P4SMAJ40CA              | VR                  | 40.00                              | 44.40                              | 51.10                              | 1                    | 64.5                                 | 6.2                        | 1                             |
| P4SMAJ43C               | VS                  | 43.00                              | 47.80                              | 60.50                              | 1                    | 76.7                                 | 5.2                        | 1                             |
| P4SMAJ43CA              | VT                  | 43.00                              | 47.80                              | 54.90                              | 1                    | 69.4                                 | 5.7                        | 1                             |
| P4SMAJ45C               | VU                  | 45.00                              | 50.00                              | 63.30                              | 1                    | 80.3                                 | 5.0                        | 1                             |
| P4SMAJ45CA              | VV                  | 45.00                              | 50.00                              | 57.50                              | 1                    | 72.7                                 | 5.5                        | 1                             |
| P4SMAJ48C               | VW                  | 48.00                              | 53.30                              | 67.50                              | 1                    | 85.5                                 | 4.7                        | 1                             |
| P4SMAJ48CA              | VX                  | 48.00                              | 53.30                              | 61.30                              | 1                    | 77.4                                 | 5.2                        | 1                             |
| P4SMAJ51C               | VY                  | 51.00                              | 56.70                              | 71.80                              | 1                    | 91.1                                 | 4.4                        | 1                             |
| P4SMAJ51CA              | VZ                  | 51.00                              | 56.70                              | 65.20                              | 1                    | 82.4                                 | 4.9                        | 1                             |
| P4SMAJ54C               | WD                  | 54.00                              | 60.00                              | 76.00                              | 1                    | 96.3                                 | 4.2                        | 1                             |
| P4SMAJ54CA              | WE                  | 54.00                              | 60.00                              | 69.00                              | 1                    | 87.1                                 | 4.6                        | 1                             |
| P4SMAJ58C               | WF                  | 58.00                              | 64.40                              | 81.60                              | 1                    | 103.0                                | 3.9                        | 1                             |
| P4SMAJ58CA              | WG                  | 58.00                              | 64.40                              | 74.10                              | 1                    | 93.6                                 | 4.3                        | 1                             |
| P4SMAJ60C               | WH                  | 60.00                              | 66.70                              | 84.50                              | 1                    | 107.0                                | 3.7                        | 1                             |
| P4SMAJ60CA              | WK                  | 60.00                              | 66.70                              | 76.70                              | 1                    | 96.8                                 | 4.1                        | 1                             |
| P4SMAJ64C               | WL                  | 64.00                              | 71.10                              | 90.10                              | 1                    | 114.0                                | 3.5                        | 1                             |
| P4SMAJ64CA              | WM                  | 64.00                              | 71.10                              | 81.80                              | 1                    | 103.0                                | 3.9                        | 1                             |
| P4SMAJ70C               | WN                  | 70.00                              | 77.80                              | 98.60                              | 1                    | 125.0                                | 3.2                        | 1                             |
| P4SMAJ70CA              | WP                  | 70.00                              | 77.80                              | 89.50                              | 1                    | 113.0                                | 3.5                        | 1                             |
| P4SMAJ75C               | WQ                  | 75.00                              | 83.30                              | 105.70                             | 1                    | 134.0                                | 3.0                        | 1                             |
| P4SMAJ75CA              | WR                  | 75.00                              | 83.30                              | 95.80                              | 1                    | 121.0                                | 3.3                        | 1                             |
| P4SMAJ78C               | WS                  | 78.00                              | 86.70                              | 109.80                             | 1                    | 139.0                                | 2.9                        | 1                             |
| P4SMAJ78CA              | WT                  | 78.00                              | 86.70                              | 99.70                              | 1                    | 126.0                                | 2.2                        | 1                             |
| P4SMAJ85C               | WU                  | 85.00                              | 94.40                              | 119.20                             | 1                    | 151.0                                | 2.6                        | 1                             |
| P4SMAJ85CA              | WV                  | 85.00                              | 94.40                              | 108.20                             | 1                    | 137.0                                | 2.9                        | 1                             |
| P4SMAJ90C               | WW                  | 90.00                              | 100.00                             | 126.50                             | 1                    | 160.0                                | 2.5                        | 1                             |
| P4SMAJ90CA              | WX                  | 90.00                              | 100.00                             | 115.50                             | 1                    | 146.0                                | 2.7                        | 1                             |
| P4SMAJ100C              | WY                  | 100.00                             | 111.00                             | 141.00                             | 1                    | 179.0                                | 2.2                        | 1                             |
| P4SMAJ100CA             | WZ                  | 100.00                             | 111.00                             | 128.00                             | 1                    | 162.0                                | 2.5                        | 1                             |
| P4SMAJ110C              | XD                  | 110.00                             | 122.00                             | 154.50                             | 1                    | 196.0                                | 2.0                        | 1                             |
| P4SMAJ110CA             | XE                  | 110.00                             | 122.00                             | 140.50                             | 1                    | 177.0                                | 2.3                        | 1                             |
| P4SMAJ120C              | XF                  | 120.00                             | 133.00                             | 169.00                             | 1                    | 214.0                                | 1.9                        | 1                             |
| P4SMAJ120CA             | XG                  | 120.00                             | 133.00                             | 153.00                             | 1                    | 193.0                                | 2.0                        | 1                             |
| P4SMAJ130C              | XH                  | 130.00                             | 144.00                             | 182.50                             | 1                    | 231.0                                | 1.7                        | 1                             |
| P4SMAJ130CA             | XK                  | 130.00                             | 144.00                             | 165.50                             | 1                    | 209.0                                | 1.9                        | 1                             |
| P4SMAJ150C              | XL                  | 150.00                             | 167.00                             | 211.50                             | 1                    | 268.0                                | 1.5                        | 1                             |
| P4SMAJ150CA             | XM                  | 150.00                             | 167.00                             | 192.50                             | 1                    | 243.0                                | 1.6                        | 1                             |
| P4SMAJ160C              | XN                  | 160.00                             | 178.00                             | 226.00                             | 1                    | 287.0                                | 1.4                        | 1                             |
| P4SMAJ160CA             | XP                  | 160.00                             | 178.00                             | 205.00                             | 1                    | 259.0                                | 1.5                        | 1                             |
| P4SMAJ170C              | XQ                  | 170.00                             | 189.00                             | 239.50                             | 1                    | 304.0                                | 1.3                        | 1                             |
| P4SMAJ170CA             | XR                  | 170.00                             | 189.00                             | 217.50                             | 1                    | 275.0                                | 1.4                        | 1                             |

## MARKING INFORMATION



Cathode = Polarity Band Except Bi-Directional Types  
 WTE = Manufacturer's Logo  
 xx = Device Code, See Page 3 & 4

## RECOMMENDED FOOTPRINT



inches(mm)

## PACKAGING INFORMATION

### TAPE & REEL



| Reel Diameter (mm) | Quantity (PCS) | Inner Box Size L x W x H (mm) | Quantity (PCS) | Carton Size L x W x H (mm) | Quantity (PCS) | Approx. Gross Weight (KG) |
|--------------------|----------------|-------------------------------|----------------|----------------------------|----------------|---------------------------|
| 330                | 7,500          | 340 x 337 x 45                | 15,000         | 370 x 370 x 420            | 120,000        | 17.5                      |

**Note:** 1. Paper reel, white or gray color.  
 2. Components are packed in accordance with EIA standard 481-1 and 481-2.

## ORDERING INFORMATION

| Product No. | Package Type | Shipping Quantity |
|-------------|--------------|-------------------|
| P4SMAJxx-T3 | SMA          | 7500/Tape & Reel  |

1. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
2. **To order RoHS / Lead Free version, add "-LF" suffix to part number above. For example, P4SMAJ5.0-T3-LF.**

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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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