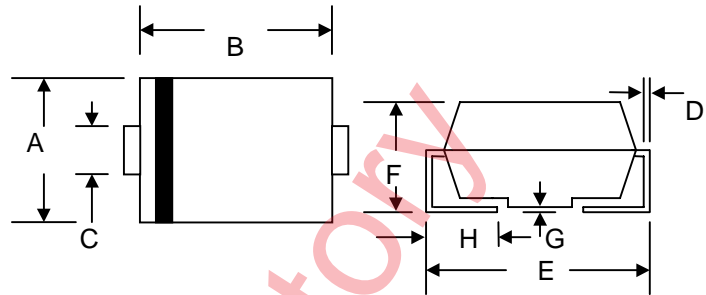


### Features

- Glass Passivated Die Construction
- 600W 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-214AA 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: 0.093 grams (approx.)

| SMB/DO-214AA         |       |       |
|----------------------|-------|-------|
| Dim                  | Min   | Max   |
| A                    | 3.30  | 3.94  |
| B                    | 4.06  | 4.70  |
| C                    | 1.91  | 2.11  |
| D                    | 0.152 | 0.305 |
| E                    | 5.08  | 5.59  |
| F                    | 2.13  | 2.44  |
| G                    | 0.051 | 0.203 |
| H                    | 0.76  | 1.27  |
| All Dimensions in mm |       |       |

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

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

| Characteristic   | Symbol         | Value       | Unit             |
|--|----------------|-------------|------------------|
| Peak Pulse Power Dissipation 10/1000 $\mu\text{S}$ Waveform (Note 1, 2) Figure 3                             | PPPM           | 600 Minimum | W                |
| Peak Pulse Current on 10/1000 $\mu\text{S}$ Waveform (Note 1) Figure 4                                       | IPPM           | See Table 1 | A                |
| Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method) (Note 2, 3) | IFSM           | 100         | A                |
| Operating and Storage Temperature Range  | $T_j, T_{STG}$ | -55 to +150 | $^\circ\text{C}$ |

- Note: 1. Non-repetitive current pulse, per Figure 4 and derated above  $T_A = 25^\circ\text{C}$  per Figure 1.  
 2. Mounted on 5.0mm<sup>2</sup> (0.013mm thick) land areas.  
 3. Measured on 8.3ms single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minutes maximum.



Fig. 1 Pulse Derating Curve



Fig. 2 Typical Junction Capacitance



Fig. 3 Pulse Rating Curve

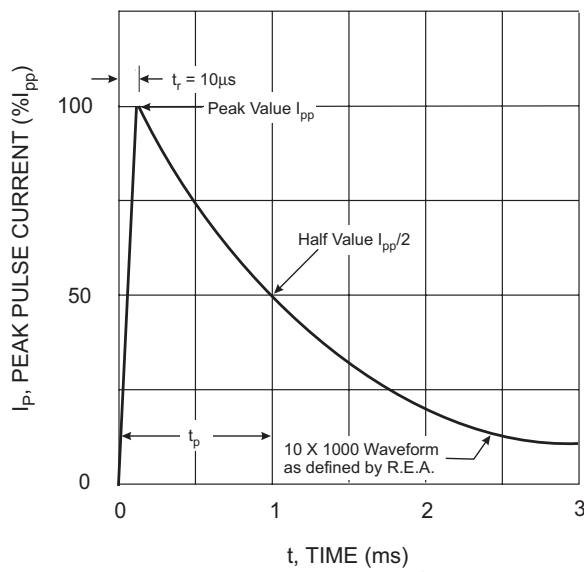


Fig. 4 Pulse Waveform

## UNI-DIRECTIONAL 600 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) |
|--------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| P6SMBJ5.0                | KD                  | 5.00                               | 6.40                               | 7.55                               | 10                   | 9.6                                  | 62.5                       | 800                           |
| P6SMBJ5.0A               | KE                  | 5.00                               | 6.40                               | 7.25                               | 10                   | 9.2                                  | 65.2                       | 800                           |
| P6SMBJ6.0                | KF                  | 6.00                               | 6.67                               | 8.45                               | 10                   | 11.4                                 | 52.6                       | 800                           |
| P6SMBJ6.0A               | KG                  | 6.00                               | 6.67                               | 7.67                               | 10                   | 10.3                                 | 58.3                       | 800                           |
| P6SMBJ6.5                | KH                  | 6.50                               | 7.22                               | 9.14                               | 10                   | 12.3                                 | 48.7                       | 500                           |
| P6SMBJ6.5A               | KK                  | 6.50                               | 7.22                               | 8.30                               | 10                   | 11.2                                 | 53.6                       | 500                           |
| P6SMBJ7.0                | KL                  | 7.00                               | 7.78                               | 9.86                               | 10                   | 13.3                                 | 45.1                       | 200                           |
| P6SMBJ7.0A               | KM                  | 7.00                               | 7.78                               | 8.95                               | 10                   | 12.0                                 | 50.0                       | 200                           |
| P6SMBJ7.5                | KN                  | 7.50                               | 8.33                               | 10.67                              | 1                    | 14.3                                 | 42.0                       | 100                           |
| P6SMBJ7.5A               | KP                  | 7.50                               | 8.33                               | 9.58                               | 1                    | 12.9                                 | 46.5                       | 100                           |
| P6SMBJ8.0                | KQ                  | 8.00                               | 8.99                               | 11.30                              | 1                    | 15.0                                 | 40.0                       | 50                            |
| P6SMBJ8.0A               | KR                  | 8.00                               | 8.99                               | 10.23                              | 1                    | 13.6                                 | 44.1                       | 50                            |
| P6SMBJ8.5                | KS                  | 8.50                               | 9.44                               | 11.92                              | 1                    | 15.9                                 | 37.7                       | 10                            |
| P6SMBJ8.5A               | KT                  | 8.50                               | 9.44                               | 10.82                              | 1                    | 14.4                                 | 41.7                       | 10                            |
| P6SMBJ9.0                | KU                  | 9.00                               | 10.00                              | 12.60                              | 1                    | 16.9                                 | 35.5                       | 5                             |
| P6SMBJ9.0A               | KV                  | 9.00                               | 10.00                              | 11.50                              | 1                    | 15.4                                 | 39.0                       | 5                             |
| P6SMBJ10                 | KW                  | 10.00                              | 11.10                              | 14.10                              | 1                    | 18.8                                 | 31.9                       | 5                             |
| P6SMBJ10A                | KX                  | 10.00                              | 11.10                              | 12.80                              | 1                    | 17.0                                 | 35.3                       | 5                             |
| P6SMBJ11                 | KY                  | 11.00                              | 12.20                              | 15.40                              | 1                    | 20.1                                 | 29.9                       | 5                             |
| P6SMBJ11A                | KZ                  | 11.00                              | 12.20                              | 14.00                              | 1                    | 18.2                                 | 33.0                       | 5                             |
| P6SMBJ12                 | LD                  | 12.00                              | 13.30                              | 16.90                              | 1                    | 22.0                                 | 27.3                       | 5                             |
| P6SMBJ12A                | LE                  | 12.00                              | 13.30                              | 15.30                              | 1                    | 19.9                                 | 30.2                       | 5                             |
| P6SMBJ13                 | LF                  | 13.00                              | 14.40                              | 18.20                              | 1                    | 23.8                                 | 25.2                       | 5                             |
| P6SMBJ13A                | LG                  | 13.00                              | 14.40                              | 16.50                              | 1                    | 21.5                                 | 27.9                       | 5                             |
| P6SMBJ14                 | LH                  | 14.00                              | 15.60                              | 19.80                              | 1                    | 25.8                                 | 23.3                       | 5                             |
| P6SMBJ14A                | LK                  | 14.00                              | 15.60                              | 17.90                              | 1                    | 23.2                                 | 25.8                       | 5                             |
| P6SMBJ15                 | LL                  | 15.00                              | 16.70                              | 21.10                              | 1                    | 26.9                                 | 22.3                       | 5                             |
| P6SMBJ15A                | LM                  | 15.00                              | 16.70                              | 19.20                              | 1                    | 24.4                                 | 24.0                       | 5                             |
| P6SMBJ16                 | LN                  | 16.00                              | 17.80                              | 22.60                              | 1                    | 28.8                                 | 20.8                       | 5                             |
| P6SMBJ16A                | LP                  | 16.00                              | 17.80                              | 20.50                              | 1                    | 26.0                                 | 23.1                       | 5                             |
| P6SMBJ17                 | LQ                  | 17.00                              | 18.90                              | 23.90                              | 1                    | 30.5                                 | 19.7                       | 5                             |
| P6SMBJ17A                | LR                  | 17.00                              | 18.90                              | 21.70                              | 1                    | 27.6                                 | 21.7                       | 5                             |
| P6SMBJ18                 | LS                  | 18.00                              | 20.00                              | 25.30                              | 1                    | 32.2                                 | 18.6                       | 5                             |
| P6SMBJ18A                | LT                  | 18.00                              | 20.00                              | 23.30                              | 1                    | 29.2                                 | 20.5                       | 5                             |
| P6SMBJ20                 | LU                  | 20.00                              | 22.20                              | 28.10                              | 1                    | 35.8                                 | 16.7                       | 5                             |
| P6SMBJ20A                | LV                  | 20.00                              | 22.20                              | 25.50                              | 1                    | 32.4                                 | 18.5                       | 5                             |
| P6SMBJ22                 | LW                  | 22.00                              | 24.40                              | 30.90                              | 1                    | 39.4                                 | 15.2                       | 5                             |
| P6SMBJ22A                | LX                  | 22.00                              | 24.40                              | 28.00                              | 1                    | 35.5                                 | 16.9                       | 5                             |
| P6SMBJ24                 | LY                  | 24.00                              | 26.70                              | 33.80                              | 1                    | 43.0                                 | 14.0                       | 5                             |
| P6SMBJ24A                | LZ                  | 24.00                              | 26.70                              | 30.70                              | 1                    | 38.9                                 | 15.4                       | 5                             |
| P6SMBJ26                 | MD                  | 26.00                              | 28.90                              | 36.60                              | 1                    | 46.6                                 | 12.4                       | 5                             |
| P6SMBJ26A                | ME                  | 26.00                              | 28.90                              | 33.20                              | 1                    | 42.1                                 | 14.2                       | 5                             |
| P6SMBJ28                 | MF                  | 28.00                              | 31.10                              | 39.40                              | 1                    | 50.0                                 | 12.0                       | 5                             |
| P6SMBJ28A                | MG                  | 28.00                              | 31.10                              | 35.80                              | 1                    | 45.4                                 | 13.2                       | 5                             |
| P6SMBJ30                 | MH                  | 30.00                              | 33.30                              | 42.20                              | 1                    | 53.5                                 | 11.2                       | 5                             |
| P6SMBJ30A                | MK                  | 30.00                              | 33.30                              | 38.30                              | 1                    | 48.4                                 | 12.4                       | 5                             |
| P6SMBJ33                 | ML                  | 33.00                              | 36.70                              | 46.50                              | 1                    | 59.0                                 | 10.2                       | 5                             |
| P6SMBJ33A                | MM                  | 33.00                              | 36.70                              | 42.20                              | 1                    | 53.3                                 | 13.2                       | 5                             |
| P6SMBJ36                 | MN                  | 36.00                              | 40.00                              | 50.70                              | 1                    | 64.3                                 | 9.3                        | 5                             |
| P6SMBJ36A                | MP                  | 36.00                              | 40.00                              | 46.00                              | 1                    | 58.1                                 | 10.3                       | 5                             |
| P6SMBJ40                 | MQ                  | 40.00                              | 44.40                              | 56.30                              | 1                    | 71.4                                 | 8.4                        | 5                             |
| P6SMBJ40A                | MR                  | 40.00                              | 44.40                              | 51.10                              | 1                    | 64.5                                 | 9.3                        | 5                             |
| P6SMBJ43                 | MS                  | 43.00                              | 47.80                              | 60.50                              | 1                    | 76.7                                 | 7.8                        | 5                             |
| P6SMBJ43A                | MT                  | 43.00                              | 47.80                              | 54.90                              | 1                    | 69.4                                 | 8.6                        | 5                             |
| P6SMBJ45                 | MU                  | 45.00                              | 50.00                              | 63.30                              | 1                    | 80.3                                 | 7.5                        | 5                             |
| P6SMBJ45A                | MV                  | 45.00                              | 50.00                              | 57.50                              | 1                    | 72.7                                 | 8.3                        | 5                             |
| P6SMBJ48                 | MW                  | 48.00                              | 53.30                              | 67.50                              | 1                    | 85.5                                 | 7.0                        | 5                             |
| P6SMBJ48A                | MX                  | 48.00                              | 53.30                              | 61.30                              | 1                    | 77.4                                 | 7.7                        | 5                             |
| P6SMBJ51                 | MY                  | 51.00                              | 56.70                              | 71.80                              | 1                    | 91.1                                 | 6.6                        | 5                             |
| P6SMBJ51A                | MZ                  | 51.00                              | 56.70                              | 65.20                              | 1                    | 82.4                                 | 7.3                        | 5                             |
| P6SMBJ54                 | ND                  | 54.00                              | 60.00                              | 76.00                              | 1                    | 96.3                                 | 6.2                        | 5                             |
| P6SMBJ54A                | NE                  | 54.00                              | 60.00                              | 69.00                              | 1                    | 87.1                                 | 6.9                        | 5                             |
| P6SMBJ58                 | NF                  | 58.00                              | 64.40                              | 81.60                              | 1                    | 103.0                                | 5.8                        | 5                             |
| P6SMBJ58A                | NG                  | 58.00                              | 64.40                              | 74.10                              | 1                    | 93.6                                 | 6.4                        | 5                             |
| P6SMBJ60                 | NH                  | 60.00                              | 66.70                              | 84.50                              | 1                    | 107.0                                | 5.6                        | 5                             |
| P6SMBJ60A                | NK                  | 60.00                              | 66.70                              | 76.70                              | 1                    | 96.8                                 | 6.2                        | 5                             |
| P6SMBJ64                 | NL                  | 64.00                              | 71.10                              | 90.10                              | 1                    | 114.0                                | 5.3                        | 5                             |
| P6SMBJ64A                | NM                  | 64.00                              | 71.10                              | 81.80                              | 1                    | 103.0                                | 5.8                        | 5                             |
| P6SMBJ70                 | NN                  | 70.00                              | 77.80                              | 98.60                              | 1                    | 125.0                                | 4.8                        | 5                             |
| P6SMBJ70A                | NP                  | 70.00                              | 77.80                              | 89.50                              | 1                    | 113.0                                | 5.3                        | 5                             |
| P6SMBJ75                 | NQ                  | 75.00                              | 83.30                              | 105.70                             | 1                    | 134.0                                | 4.5                        | 5                             |
| P6SMBJ75A                | NR                  | 75.00                              | 83.30                              | 95.80                              | 1                    | 121.0                                | 4.9                        | 5                             |
| P6SMBJ78                 | NS                  | 78.00                              | 86.70                              | 109.80                             | 1                    | 139.0                                | 4.3                        | 5                             |
| P6SMBJ78A                | NT                  | 78.00                              | 86.70                              | 99.70                              | 1                    | 126.0                                | 4.7                        | 5                             |
| P6SMBJ85                 | NU                  | 85.00                              | 94.40                              | 119.20                             | 1                    | 151.0                                | 3.9                        | 5                             |
| P6SMBJ85A                | NV                  | 85.00                              | 94.40                              | 108.20                             | 1                    | 137.0                                | 4.4                        | 5                             |
| P6SMBJ90                 | NW                  | 90.00                              | 100.00                             | 126.50                             | 1                    | 160.0                                | 3.8                        | 5                             |
| P6SMBJ90A                | NX                  | 90.00                              | 100.00                             | 115.50                             | 1                    | 146.0                                | 4.1                        | 5                             |
| P6SMBJ100                | NY                  | 100.00                             | 111.00                             | 141.00                             | 1                    | 179.0                                | 3.4                        | 5                             |
| P6SMBJ100A               | NZ                  | 100.00                             | 111.00                             | 128.00                             | 1                    | 162.0                                | 3.7                        | 5                             |
| P6SMBJ110                | PD                  | 110.00                             | 122.00                             | 154.50                             | 1                    | 196.0                                | 3.0                        | 5                             |
| P6SMBJ110A               | PE                  | 110.00                             | 122.00                             | 140.50                             | 1                    | 177.0                                | 3.4                        | 5                             |
| P6SMBJ120                | PF                  | 120.00                             | 133.00                             | 169.00                             | 1                    | 214.0                                | 2.8                        | 5                             |
| P6SMBJ120A               | PG                  | 120.00                             | 133.00                             | 153.00                             | 1                    | 193.0                                | 3.1                        | 5                             |
| P6SMBJ130                | PH                  | 130.00                             | 144.00                             | 182.50                             | 1                    | 231.0                                | 2.6                        | 5                             |
| P6SMBJ130A               | PK                  | 130.00                             | 144.00                             | 165.50                             | 1                    | 209.0                                | 2.9                        | 5                             |
| P6SMBJ150                | PL                  | 150.00                             | 167.00                             | 211.50                             | 1                    | 269.0                                | 2.2                        | 5                             |
| P6SMBJ150A               | PM                  | 150.00                             | 167.00                             | 192.50                             | 1                    | 243.0                                | 2.5                        | 5                             |
| P6SMBJ160                | PN                  | 160.00                             | 178.00                             | 226.00                             | 1                    | 287.0                                | 2.1                        | 5                             |
| P6SMBJ160A               | PP                  | 160.00                             | 178.00                             | 205.00                             | 1                    | 259.0                                | 2.3                        | 5                             |
| P6SMBJ170                | PQ                  | 170.00                             | 189.00                             | 239.50                             | 1                    | 304.0                                | 2.0                        | 5                             |
| P6SMBJ170A               | PR                  | 170.00                             | 189.00                             | 217.50                             | 1                    | 275.0                                | 2.2                        | 5                             |

## BI-DIRECTIONAL 600 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) |
|-------------------------|---------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| P6SMBJ5.0C              | AD                  | 5.00                               | 6.40                               | 7.55                               | 10                   | 9.6                                  | 62.5                       | 1600                          |
| P6SMBJ5.0CA             | AE                  | 5.00                               | 6.40                               | 7.25                               | 10                   | 9.2                                  | 65.2                       | 1600                          |
| P6SMBJ6.0C              | AF                  | 6.00                               | 6.67                               | 8.45                               | 10                   | 11.4                                 | 52.6                       | 1600                          |
| P6SMBJ6.0CA             | AG                  | 6.00                               | 6.67                               | 7.67                               | 10                   | 10.3                                 | 58.3                       | 1600                          |
| P6SMBJ6.5C              | AH                  | 6.50                               | 7.22                               | 9.14                               | 10                   | 12.3                                 | 48.7                       | 1000                          |
| P6SMBJ6.5CA             | AK                  | 6.50                               | 7.22                               | 8.30                               | 10                   | 11.2                                 | 53.6                       | 1000                          |
| P6SMBJ7.0C              | AL                  | 7.00                               | 7.78                               | 9.86                               | 10                   | 13.3                                 | 45.1                       | 400                           |
| P6SMBJ7.0CA             | AM                  | 7.00                               | 7.78                               | 8.95                               | 10                   | 12.0                                 | 50.0                       | 400                           |
| P6SMBJ7.5C              | AN                  | 7.50                               | 8.33                               | 10.67                              | 1                    | 14.3                                 | 42.0                       | 200                           |
| P6SMBJ7.5CA             | AP                  | 7.50                               | 8.33                               | 9.58                               | 1                    | 12.9                                 | 46.5                       | 200                           |
| P6SMBJ8.0C              | AQ                  | 8.00                               | 8.99                               | 11.30                              | 1                    | 15.0                                 | 40.0                       | 100                           |
| P6SMBJ8.0CA             | AR                  | 8.00                               | 8.99                               | 10.23                              | 1                    | 13.6                                 | 44.1                       | 100                           |
| P6SMBJ8.5C              | AS                  | 8.50                               | 9.44                               | 11.92                              | 1                    | 15.9                                 | 37.7                       | 20                            |
| P6SMBJ8.5CA             | AT                  | 8.50                               | 9.44                               | 10.82                              | 1                    | 14.4                                 | 41.7                       | 20                            |
| P6SMBJ9.0C              | AU                  | 9.00                               | 10.00                              | 12.60                              | 1                    | 16.9                                 | 35.5                       | 10                            |
| P6SMBJ9.0CA             | AV                  | 9.00                               | 10.00                              | 11.50                              | 1                    | 15.4                                 | 39.0                       | 10                            |
| P6SMBJ10C               | AW                  | 10.00                              | 11.10                              | 14.10                              | 1                    | 18.8                                 | 31.9                       | 5                             |
| P6SMBJ10CA              | AX                  | 10.00                              | 11.10                              | 12.80                              | 1                    | 17.0                                 | 35.3                       | 5                             |
| P6SMBJ11C               | AY                  | 11.00                              | 12.20                              | 15.40                              | 1                    | 20.1                                 | 29.9                       | 5                             |
| P6SMBJ11CA              | AZ                  | 11.00                              | 12.20                              | 14.00                              | 1                    | 18.2                                 | 33.0                       | 5                             |
| P6SMBJ12C               | BD                  | 12.00                              | 13.30                              | 16.90                              | 1                    | 22.0                                 | 27.3                       | 5                             |
| P6SMBJ12CA              | BE                  | 12.00                              | 13.30                              | 15.30                              | 1                    | 19.9                                 | 30.2                       | 5                             |
| P6SMBJ13C               | BF                  | 13.00                              | 14.40                              | 18.20                              | 1                    | 23.8                                 | 25.2                       | 5                             |
| P6SMBJ13CA              | BG                  | 13.00                              | 14.40                              | 16.50                              | 1                    | 21.5                                 | 27.9                       | 5                             |
| P6SMBJ14C               | BH                  | 14.00                              | 15.60                              | 19.80                              | 1                    | 25.8                                 | 23.3                       | 5                             |
| P6SMBJ14CA              | BK                  | 14.00                              | 15.60                              | 17.90                              | 1                    | 23.2                                 | 25.8                       | 5                             |
| P6SMBJ15C               | BL                  | 15.00                              | 16.70                              | 21.10                              | 1                    | 26.9                                 | 22.3                       | 5                             |
| P6SMBJ15CA              | BM                  | 15.00                              | 16.70                              | 19.20                              | 1                    | 24.4                                 | 24.0                       | 5                             |
| P6SMBJ16C               | BN                  | 16.00                              | 17.80                              | 22.60                              | 1                    | 28.8                                 | 20.8                       | 5                             |
| P6SMBJ16CA              | BP                  | 16.00                              | 17.80                              | 20.50                              | 1                    | 26.0                                 | 23.1                       | 5                             |
| P6SMBJ17C               | BQ                  | 17.00                              | 18.90                              | 23.90                              | 1                    | 30.5                                 | 19.7                       | 5                             |
| P6SMBJ17CA              | BR                  | 17.00                              | 18.90                              | 21.70                              | 1                    | 27.6                                 | 21.7                       | 5                             |
| P6SMBJ18C               | BS                  | 18.00                              | 20.00                              | 25.30                              | 1                    | 32.2                                 | 18.6                       | 5                             |
| P6SMBJ18CA              | BT                  | 18.00                              | 20.00                              | 23.30                              | 1                    | 29.2                                 | 20.5                       | 5                             |
| P6SMBJ20C               | BU                  | 20.00                              | 22.20                              | 28.10                              | 1                    | 35.8                                 | 16.7                       | 5                             |
| P6SMBJ20CA              | BV                  | 20.00                              | 22.20                              | 25.50                              | 1                    | 32.4                                 | 18.5                       | 5                             |
| P6SMBJ22C               | BW                  | 22.00                              | 24.40                              | 30.90                              | 1                    | 39.4                                 | 15.2                       | 5                             |
| P6SMBJ22CA              | BX                  | 22.00                              | 24.40                              | 28.00                              | 1                    | 35.5                                 | 16.9                       | 5                             |
| P6SMBJ24C               | BY                  | 24.00                              | 26.70                              | 33.80                              | 1                    | 43.0                                 | 14.0                       | 5                             |
| P6SMBJ24CA              | BZ                  | 24.00                              | 26.70                              | 30.70                              | 1                    | 38.9                                 | 15.4                       | 5                             |
| P6SMBJ26C               | CD                  | 26.00                              | 28.90                              | 36.60                              | 1                    | 46.6                                 | 12.4                       | 5                             |
| P6SMBJ26CA              | CE                  | 26.00                              | 28.90                              | 33.20                              | 1                    | 42.1                                 | 14.2                       | 5                             |
| P6SMBJ28C               | CF                  | 28.00                              | 31.10                              | 39.40                              | 1                    | 50.0                                 | 12.0                       | 5                             |
| P6SMBJ28CA              | CG                  | 28.00                              | 31.10                              | 35.80                              | 1                    | 45.4                                 | 13.2                       | 5                             |
| P6SMBJ30C               | CH                  | 30.00                              | 33.30                              | 42.20                              | 1                    | 53.5                                 | 11.2                       | 5                             |
| P6SMBJ30CA              | CK                  | 30.00                              | 33.30                              | 38.30                              | 1                    | 48.4                                 | 12.4                       | 5                             |
| P6SMBJ33C               | CL                  | 33.00                              | 36.70                              | 46.50                              | 1                    | 59.0                                 | 10.2                       | 5                             |
| P6SMBJ33CA              | CM                  | 33.00                              | 36.70                              | 42.20                              | 1                    | 53.3                                 | 13.2                       | 5                             |
| P6SMBJ36C               | CN                  | 36.00                              | 40.00                              | 50.70                              | 1                    | 64.3                                 | 9.3                        | 5                             |
| P6SMBJ36CA              | CP                  | 36.00                              | 40.00                              | 46.00                              | 1                    | 58.1                                 | 10.3                       | 5                             |
| P6SMBJ40C               | CQ                  | 40.00                              | 44.40                              | 56.30                              | 1                    | 71.4                                 | 8.4                        | 5                             |
| P6SMBJ40CA              | CR                  | 40.00                              | 44.40                              | 51.10                              | 1                    | 64.5                                 | 9.3                        | 5                             |
| P6SMBJ43C               | CS                  | 43.00                              | 47.80                              | 60.50                              | 1                    | 76.7                                 | 7.8                        | 5                             |
| P6SMBJ43CA              | CT                  | 43.00                              | 47.80                              | 54.90                              | 1                    | 69.4                                 | 8.6                        | 5                             |
| P6SMBJ45C               | CU                  | 45.00                              | 50.00                              | 63.30                              | 1                    | 80.3                                 | 7.5                        | 5                             |
| P6SMBJ45CA              | CV                  | 45.00                              | 50.00                              | 57.50                              | 1                    | 72.7                                 | 8.3                        | 5                             |
| P6SMBJ48C               | CW                  | 48.00                              | 53.30                              | 67.50                              | 1                    | 85.5                                 | 7.0                        | 5                             |
| P6SMBJ48CA              | CX                  | 48.00                              | 53.30                              | 61.30                              | 1                    | 77.4                                 | 7.7                        | 5                             |
| P6SMBJ51C               | CY                  | 51.00                              | 56.70                              | 71.80                              | 1                    | 91.1                                 | 6.6                        | 5                             |
| P6SMBJ51CA              | CZ                  | 51.00                              | 56.70                              | 65.20                              | 1                    | 82.4                                 | 7.3                        | 5                             |
| P6SMBJ54C               | DD                  | 54.00                              | 60.00                              | 76.00                              | 1                    | 96.3                                 | 6.2                        | 5                             |
| P6SMBJ54CA              | DE                  | 54.00                              | 60.00                              | 69.00                              | 1                    | 87.1                                 | 6.9                        | 5                             |
| P6SMBJ58C               | DF                  | 58.00                              | 64.40                              | 81.60                              | 1                    | 103.0                                | 5.8                        | 5                             |
| P6SMBJ58CA              | DG                  | 58.00                              | 64.40                              | 74.10                              | 1                    | 93.6                                 | 6.4                        | 5                             |
| P6SMBJ60C               | DH                  | 60.00                              | 66.70                              | 84.50                              | 1                    | 107.0                                | 5.6                        | 5                             |
| P6SMBJ60CA              | DK                  | 60.00                              | 66.70                              | 76.70                              | 1                    | 96.8                                 | 6.2                        | 5                             |
| P6SMBJ64C               | DL                  | 64.00                              | 71.10                              | 90.10                              | 1                    | 114.0                                | 5.3                        | 5                             |
| P6SMBJ64CA              | DM                  | 64.00                              | 71.10                              | 81.80                              | 1                    | 103.0                                | 5.8                        | 5                             |
| P6SMBJ70C               | DN                  | 70.00                              | 77.80                              | 98.60                              | 1                    | 125.0                                | 4.8                        | 5                             |
| P6SMBJ70CA              | DP                  | 70.00                              | 77.80                              | 89.50                              | 1                    | 113.0                                | 5.3                        | 5                             |
| P6SMBJ75C               | DQ                  | 75.00                              | 83.30                              | 105.70                             | 1                    | 134.0                                | 4.5                        | 5                             |
| P6SMBJ75CA              | DR                  | 75.00                              | 83.30                              | 95.80                              | 1                    | 121.0                                | 4.9                        | 5                             |
| P6SMBJ78C               | DS                  | 78.00                              | 86.70                              | 109.80                             | 1                    | 139.0                                | 4.3                        | 5                             |
| P6SMBJ78CA              | DT                  | 78.00                              | 86.70                              | 99.70                              | 1                    | 126.0                                | 4.7                        | 5                             |
| P6SMBJ85C               | DU                  | 85.00                              | 94.40                              | 119.20                             | 1                    | 151.0                                | 3.9                        | 5                             |
| P6SMBJ85CA              | DV                  | 85.00                              | 94.40                              | 108.20                             | 1                    | 137.0                                | 4.4                        | 5                             |
| P6SMBJ90C               | DW                  | 90.00                              | 100.00                             | 126.50                             | 1                    | 160.0                                | 3.8                        | 5                             |
| P6SMBJ90CA              | DX                  | 90.00                              | 100.00                             | 115.50                             | 1                    | 146.0                                | 4.1                        | 5                             |
| P6SMBJ100C              | DY                  | 100.00                             | 111.00                             | 141.00                             | 1                    | 179.0                                | 3.4                        | 5                             |
| P6SMBJ100CA             | DZ                  | 100.00                             | 111.00                             | 128.00                             | 1                    | 162.0                                | 3.7                        | 5                             |
| P6SMBJ110C              | ED                  | 110.00                             | 122.00                             | 154.50                             | 1                    | 196.0                                | 3.0                        | 5                             |
| P6SMBJ110CA             | EE                  | 110.00                             | 122.00                             | 140.50                             | 1                    | 177.0                                | 3.4                        | 5                             |
| P6SMBJ120C              | EF                  | 120.00                             | 133.00                             | 169.00                             | 1                    | 214.0                                | 2.8                        | 5                             |
| P6SMBJ120CA             | EG                  | 120.00                             | 133.00                             | 153.00                             | 1                    | 193.0                                | 3.1                        | 5                             |
| P6SMBJ130C              | EH                  | 130.00                             | 144.00                             | 182.50                             | 1                    | 231.0                                | 2.6                        | 5                             |
| P6SMBJ130CA             | EK                  | 130.00                             | 144.00                             | 165.50                             | 1                    | 209.0                                | 2.9                        | 5                             |
| P6SMBJ150C              | EL                  | 150.00                             | 167.00                             | 211.50                             | 1                    | 269.0                                | 2.2                        | 5                             |
| P6SMBJ150CA             | EM                  | 150.00                             | 167.00                             | 192.50                             | 1                    | 243.0                                | 2.5                        | 5                             |
| P6SMBJ160C              | EN                  | 160.00                             | 178.00                             | 226.00                             | 1                    | 287.0                                | 2.1                        | 5                             |
| P6SMBJ160CA             | EP                  | 160.00                             | 178.00                             | 205.00                             | 1                    | 259.0                                | 2.3                        | 5                             |
| P6SMBJ170C              | EQ                  | 170.00                             | 189.00                             | 239.50                             | 1                    | 304.0                                | 2.0                        | 5                             |
| P6SMBJ170CA             | ER                  | 170.00                             | 189.00                             | 217.50                             | 1                    | 275.0                                | 2.2                        | 5                             |

## ORDERING INFORMATION

| Product No.♦         | Package Type | Shipping Quantity |
|----------------------|--------------|-------------------|
| P6SMBJxx-T1          | SMB          | 500/Tape & Reel   |
| <b>P6SMBJxx-T3</b>   | SMB          | 3000/Tape & Reel  |
| P6SMBJxxA-T1         | SMB          | 500/Tape & Reel   |
| <b>P6SMBJxxA-T3</b>  | SMB          | 3000/Tape & Reel  |
| P6SMBJxxC-T1         | SMB          | 500/Tape & Reel   |
| <b>P6SMBJxxC-T3</b>  | SMB          | 3000/Tape & Reel  |
| P6SMBJxxCA-T1        | SMB          | 500/Tape & Reel   |
| <b>P6SMBJxxCA-T3</b> | SMB          | 3000/Tape & Reel  |

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

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

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

## RECOMMENDED FOOTPRINT



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

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