



# P6SMBJ SERIES

## SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR POWER 600 Watt

**STAND-OFF VOLTAGE**

**5 to 220 Volt**

**SMB / DO-214AA**

Unit : inch(mm)

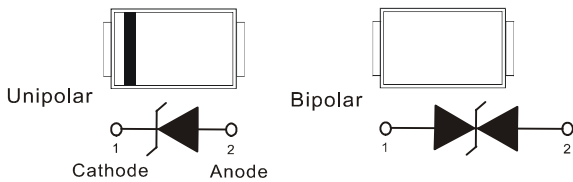
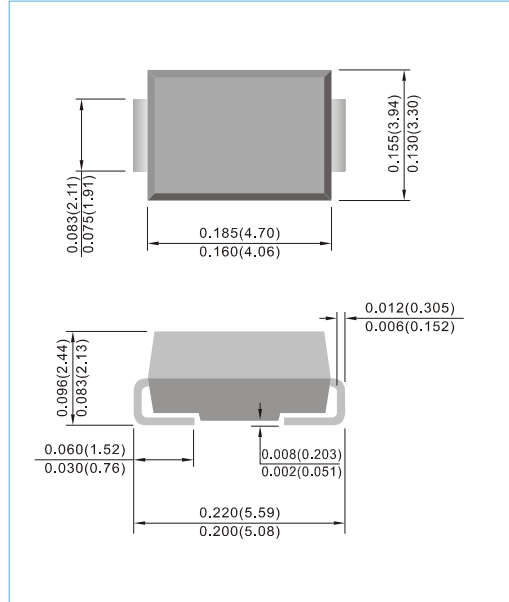
**Recongnized File # E210467**

### FEATURES

- For surface mounted applications in order to optimize board space
- Glass passivated junction
- Low inductance
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- High temperature soldering : 260°C /10 seconds at terminals
- ESD IEC-61000-4-2 Air ± 30kV, Contact ± 30kV
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

### MECHANICAL DATA

- Case: JEDEC DO-214AA, Molded plastic over passivated junction.
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- Standard Packaging: 12mm tape (EIA-481)
- Weight: 0.003 ounces, 0.092 grams



### DEVICES FOR BIPOLAR APPLICATIONS

For Bidirectional use C or CA Suffix for types P6SMBJ5.0 thru types P6SMBJ220.  
Electrical characteristics apply in both directions.

### MAXIMUM RATINGS AND CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.  
For Capacitive load derate current by 20%.

| Rating  | Symbol                            | Value       | Units  |
|---|-----------------------------------|-------------|--------|
| Peak Pulse Power Dissipation on tp=10/1000µs waveform (Notes 1,2, Fig.1)                      | P <sub>PP</sub>                   | 600         | Watts  |
| Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (Notes 2,3) | I <sub>FSM</sub>                  | 100         | Amps   |
| Peak Pulse Current on tp=10/1000µs waveform (Notes 1) Fig.3                                   | I <sub>PPM</sub>                  | see Table 1 | Amps   |
| Typical Thermal Resistance Junction to Air (Notes 2)  | R <sub>θJA</sub>                  | 60          | °C / W |
| ESD IEC-61000-4-2 (Air)<br>ESD IEC-61000-4-2 (Contact)  | V <sub>ESD</sub>                  | ±30<br>±30  | kV     |
| Operating Junction and Storage Temperature Range  | T <sub>J</sub> , T <sub>STG</sub> | -55 to +150 | °C     |

#### NOTES :

1. Non-repetitive current pulse, per Fig.3 and derated above T<sub>A</sub> = 25°C per Fig. 2.
2. Mounted on 5mm<sup>2</sup> (0.13mm thick) land areas.
3. Measured on 8.3ms, single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minute maximum.
4. A transient suppressor is selected according to the working peak reverse voltage (V<sub>RWM</sub>), which should be equal to or greater than the DC or continuous peak operating voltage level.



# P6SMBJ SERIES

| Part Number                              |             | Reverse Stand-off Voltage | Breakdown Voltage |       | Test Current | Reverse Leakage |      | Max. Clamp Voltage<br>10/1000µs | Peak Pulse Current<br>10/1000µs | Marking Code |    |
|--|-------------|---------------------------|-------------------|-------|--------------|-----------------|------|---------------------------------|---------------------------------|--------------|----|
|  |             |                           | $V_{BR} @ I_T$    |       |              | $I_R @ V_{RWM}$ |      |                                 |                                 |              |    |
|  |             |                           | Min.              | Max.  |              | UNI             | BI   |                                 |                                 |              |    |
| UNI                                      | BI          | V                         | V                 | V     | mA           | µA              | µA   | V                               | A                               | UNI          | BI |
| <b>600W Transient Voltage Suppressor</b> |             |                           |                   |       |              |                 |      |                                 |                                 |              |    |
| P6SMBJ5.0                                | P6SMBJ5.0C  | 5                         | 6.4               | 7.55  | 10           | 800             | 1600 | 9.6                             | 62.5                            | KD           | AD |
| P6SMBJ5.0A                               | P6SMBJ5.0CA | 5                         | 6.4               | 7.07  | 10           | 800             | 1600 | 9.2                             | 65.2                            | KE           | AE |
| P6SMBJ6.0                                | P6SMBJ6.0C  | 6                         | 6.67              | 8.45  | 10           | 800             | 1600 | 11.4                            | 52.6                            | KF           | AF |
| P6SMBJ6.0A                               | P6SMBJ6.0CA | 6                         | 6.67              | 7.37  | 10           | 800             | 1600 | 10.3                            | 58.3                            | KG           | AG |
| P6SMBJ6.5                                | P6SMBJ6.5C  | 6.5                       | 7.22              | 9.14  | 10           | 500             | 1000 | 12.3                            | 48.7                            | KH           | AH |
| P6SMBJ6.5A                               | P6SMBJ6.5CA | 6.5                       | 7.22              | 7.98  | 10           | 500             | 1000 | 11.2                            | 53.6                            | KK           | AK |
| P6SMBJ7.0                                | P6SMBJ7.0C  | 7                         | 7.78              | 9.86  | 10           | 200             | 400  | 13.3                            | 45.1                            | KL           | AL |
| P6SMBJ7.0A                               | P6SMBJ7.0CA | 7                         | 7.78              | 8.6   | 10           | 200             | 400  | 12.0                            | 50                              | KM           | AM |
| P6SMBJ7.5                                | P6SMBJ7.5C  | 7.5                       | 8.33              | 10.67 | 1            | 100             | 200  | 14.3                            | 42                              | KN           | AN |
| P6SMBJ7.5A                               | P6SMBJ7.5CA | 7.5                       | 8.33              | 9.21  | 1            | 100             | 200  | 12.9                            | 46.5                            | KP           | AP |
| P6SMBJ8.0                                | P6SMBJ8.0C  | 8                         | 8.89              | 11.3  | 1            | 50              | 100  | 15.0                            | 40                              | KQ           | AQ |
| P6SMBJ8.0A                               | P6SMBJ8.0CA | 8                         | 8.89              | 9.83  | 1            | 50              | 100  | 13.6                            | 44.1                            | KR           | AR |
| P6SMBJ8.5                                | P6SMBJ8.5C  | 8.5                       | 9.44              | 11.92 | 1            | 10              | 20   | 15.9                            | 37.7                            | KS           | AS |
| P6SMBJ8.5A                               | P6SMBJ8.5CA | 8.5                       | 9.44              | 10.4  | 1            | 10              | 20   | 14.4                            | 41.7                            | KT           | AT |
| P6SMBJ9.0                                | P6SMBJ9.0C  | 9                         | 10                | 12.6  | 1            | 5               | 5    | 16.9                            | 35.5                            | KU           | AU |
| P6SMBJ9.0A                               | P6SMBJ9.0CA | 9                         | 10                | 11.1  | 1            | 5               | 5    | 15.4                            | 39                              | KV           | AV |
| P6SMBJ10                                 | P6SMBJ10C   | 10                        | 11.1              | 14.1  | 1            | 5               | 5    | 18.8                            | 31.9                            | KW           | AW |
| P6SMBJ10A                                | P6SMBJ10CA  | 10                        | 11.1              | 12.3  | 1            | 5               | 5    | 17                              | 35.3                            | KX           | AX |
| P6SMBJ11                                 | P6SMBJ11C   | 11                        | 12.2              | 15.4  | 1            | 1               | 1    | 20.1                            | 29.9                            | KY           | AY |
| P6SMBJ11A                                | P6SMBJ11CA  | 11                        | 12.2              | 13.5  | 1            | 1               | 1    | 18.2                            | 33                              | KZ           | AZ |
| P6SMBJ12                                 | P6SMBJ12C   | 12                        | 13.3              | 16.9  | 1            | 1               | 1    | 22                              | 27.3                            | LD           | BD |
| P6SMBJ12A                                | P6SMBJ12CA  | 12                        | 13.3              | 14.7  | 1            | 1               | 1    | 19.9                            | 30.2                            | LE           | BE |
| P6SMBJ13                                 | P6SMBJ13C   | 13                        | 14.4              | 18.2  | 1            | 1               | 1    | 23.8                            | 25.2                            | LF           | BF |
| P6SMBJ13A                                | P6SMBJ13CA  | 13                        | 14.4              | 15.9  | 1            | 1               | 1    | 21.5                            | 27.9                            | LG           | BG |
| P6SMBJ14                                 | P6SMBJ14C   | 14                        | 15.6              | 19.8  | 1            | 1               | 1    | 25.8                            | 23.3                            | LH           | BH |
| P6SMBJ14A                                | P6SMBJ14CA  | 14                        | 15.6              | 17.2  | 1            | 1               | 1    | 23.2                            | 25.8                            | LK           | BK |
| P6SMBJ15                                 | P6SMBJ15C   | 15                        | 16.7              | 21.1  | 1            | 1               | 1    | 26.9                            | 22.3                            | LL           | BL |
| P6SMBJ15A                                | P6SMBJ15CA  | 15                        | 16.7              | 18.5  | 1            | 1               | 1    | 24.4                            | 24                              | LM           | BM |
| P6SMBJ16                                 | P6SMBJ16C   | 16                        | 17.8              | 22.6  | 1            | 1               | 1    | 28.8                            | 20.8                            | LN           | BN |
| P6SMBJ16A                                | P6SMBJ16CA  | 16                        | 17.8              | 19.7  | 1            | 1               | 1    | 26                              | 23.1                            | LP           | BP |
| P6SMBJ17                                 | P6SMBJ17C   | 17                        | 18.9              | 23.9  | 1            | 1               | 1    | 30.5                            | 19.7                            | LQ           | BQ |
| P6SMBJ17A                                | P6SMBJ17CA  | 17                        | 18.9              | 20.9  | 1            | 1               | 1    | 27.6                            | 21.7                            | LR           | BR |
| P6SMBJ18                                 | P6SMBJ18C   | 18                        | 20                | 25.3  | 1            | 1               | 1    | 32.2                            | 18.6                            | LS           | BS |
| P6SMBJ18A                                | P6SMBJ18CA  | 18                        | 20                | 22.1  | 1            | 1               | 1    | 29.2                            | 20.5                            | LT           | BT |
| P6SMBJ20                                 | P6SMBJ20C   | 20                        | 22.2              | 28.1  | 1            | 1               | 1    | 35.8                            | 16.7                            | LU           | BU |
| P6SMBJ20A                                | P6SMBJ20CA  | 20                        | 22.2              | 24.5  | 1            | 1               | 1    | 32.4                            | 18.5                            | LV           | BV |
| P6SMBJ22                                 | P6SMBJ22C   | 22                        | 24.4              | 30.9  | 1            | 1               | 1    | 39.4                            | 15.2                            | LW           | BW |
| P6SMBJ22A                                | P6SMBJ22CA  | 22                        | 24.4              | 27    | 1            | 1               | 1    | 35.5                            | 16.9                            | LX           | BX |
| P6SMBJ24                                 | P6SMBJ24C   | 24                        | 26.7              | 33.8  | 1            | 1               | 1    | 43                              | 14                              | LY           | BY |
| P6SMBJ24A                                | P6SMBJ24CA  | 24                        | 26.7              | 29.5  | 1            | 1               | 1    | 38.9                            | 15.4                            | LZ           | BZ |
| P6SMBJ26                                 | P6SMBJ26C   | 26                        | 28.9              | 36.6  | 1            | 1               | 1    | 46.6                            | 12.4                            | MD           | CD |
| P6SMBJ26A                                | P6SMBJ26CA  | 26                        | 28.9              | 31.9  | 1            | 1               | 1    | 42.1                            | 14.2                            | ME           | CE |
| P6SMBJ28                                 | P6SMBJ28C   | 28                        | 31.1              | 39.4  | 1            | 1               | 1    | 50                              | 12                              | MF           | CF |
| P6SMBJ28A                                | P6SMBJ28CA  | 28                        | 31.1              | 34.4  | 1            | 1               | 1    | 45.4                            | 13.2                            | MG           | CG |
| P6SMBJ30                                 | P6SMBJ30C   | 30                        | 33.3              | 42.2  | 1            | 1               | 1    | 53.5                            | 11.2                            | MH           | CH |
| P6SMBJ30A                                | P6SMBJ30CA  | 30                        | 33.3              | 36.8  | 1            | 1               | 1    | 48.4                            | 12.4                            | MK           | CK |
| P6SMBJ33                                 | P6SMBJ33C   | 33                        | 36.7              | 46.5  | 1            | 1               | 1    | 59                              | 10.2                            | ML           | CL |
| P6SMBJ33A                                | P6SMBJ33CA  | 33                        | 36.7              | 40.6  | 1            | 1               | 1    | 53.3                            | 11.3                            | MM           | CM |
| P6SMBJ36                                 | P6SMBJ36C   | 36                        | 40                | 50.7  | 1            | 1               | 1    | 64.3                            | 9.3                             | MN           | CN |
| P6SMBJ36A                                | P6SMBJ36CA  | 36                        | 40                | 44.2  | 1            | 1               | 1    | 58.1                            | 10.3                            | MP           | CP |
| P6SMBJ40                                 | P6SMBJ40C   | 40                        | 44.4              | 56.3  | 1            | 1               | 1    | 71.4                            | 8.4                             | MQ           | CQ |
| P6SMBJ40A                                | P6SMBJ40CA  | 40                        | 44.4              | 49.1  | 1            | 1               | 1    | 64.5                            | 9.3                             | MR           | CR |

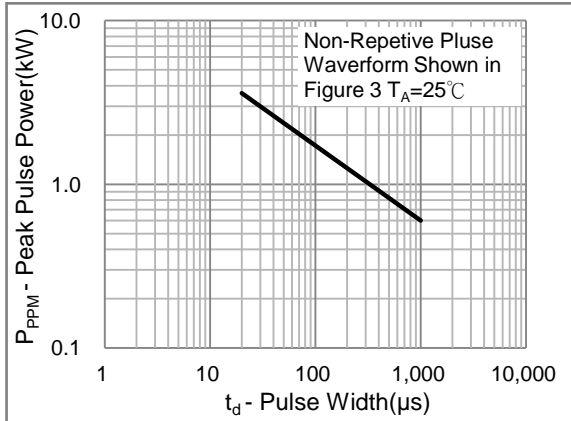


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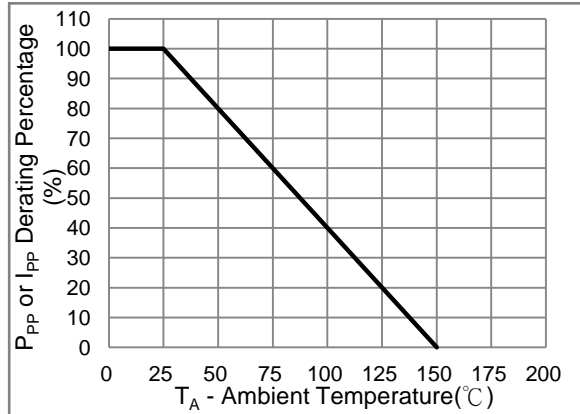
| Part Number                              |             | Reverse Stand-off Voltage | Breakdown Voltage                |       |    | Test Current | Reverse Leakage                   |      | Max. Clamp Voltage<br>10/1000µs | Peak Pulse Current<br>10/1000µs | Marking Code |  |
|--|-------------|---------------------------|----------------------------------|-------|----|--------------|-----------------------------------|------|---------------------------------|---------------------------------|--------------|--|
|  |             |                           | V <sub>BR</sub> @ I <sub>T</sub> |       |    |              | I <sub>R</sub> @ V <sub>RWM</sub> |      |                                 |                                 |              |  |
|  |             |                           | Min.                             | Max.  |    |              | UNI                               | BI   |                                 |                                 |              |  |
| UNI                                      | BI          | V                         | V                                | V     | mA | µA           | µA                                | V    | A                               | UNI                             | BI           |  |
| <b>600W Transient Voltage Suppressor</b> |             |                           |                                  |       |    |              |                                   |      |                                 |                                 |              |  |
| P6SMBJ43                                 | P6SMBJ43C   | 43                        | 47.8                             | 60.5  | 1  | 1            | 1                                 | 76.7 | 7.8                             | MS                              | CS           |  |
| P6SMBJ43A                                | P6SMBJ43CA  | 43                        | 47.8                             | 52.8  | 1  | 1            | 1                                 | 69.4 | 8.6                             | MT                              | CT           |  |
| P6SMBJ45                                 | P6SMBJ45C   | 45                        | 50                               | 63.3  | 1  | 1            | 1                                 | 80.3 | 7.5                             | MU                              | CU           |  |
| P6SMBJ45A                                | P6SMBJ45CA  | 45                        | 50                               | 55.3  | 1  | 1            | 1                                 | 72.7 | 8.3                             | MV                              | CV           |  |
| P6SMBJ48                                 | P6SMBJ48C   | 48                        | 53.3                             | 67.5  | 1  | 1            | 1                                 | 85.5 | 7                               | MW                              | CW           |  |
| P6SMBJ48A                                | P6SMBJ48CA  | 48                        | 53.3                             | 58.9  | 1  | 1            | 1                                 | 77.4 | 7.7                             | MX                              | CX           |  |
| P6SMBJ51                                 | P6SMBJ51C   | 51                        | 56.7                             | 71.8  | 1  | 1            | 1                                 | 91.1 | 6.6                             | MY                              | CY           |  |
| P6SMBJ51A                                | P6SMBJ51CA  | 51                        | 56.7                             | 62.7  | 1  | 1            | 1                                 | 82.4 | 7.3                             | MZ                              | CZ           |  |
| P6SMBJ54                                 | P6SMBJ54C   | 54                        | 60                               | 76    | 1  | 1            | 1                                 | 96.3 | 6.2                             | ND                              | DD           |  |
| P6SMBJ54A                                | P6SMBJ54CA  | 54                        | 60                               | 66.3  | 1  | 1            | 1                                 | 87.1 | 6.9                             | NE                              | DE           |  |
| P6SMBJ58                                 | P6SMBJ58C   | 58                        | 64.4                             | 81.6  | 1  | 1            | 1                                 | 103  | 5.8                             | NF                              | DF           |  |
| P6SMBJ58A                                | P6SMBJ58CA  | 58                        | 64.4                             | 71.2  | 1  | 1            | 1                                 | 93.6 | 6.4                             | NG                              | DG           |  |
| P6SMBJ60                                 | P6SMBJ60C   | 60                        | 66.7                             | 84.5  | 1  | 1            | 1                                 | 107  | 5.6                             | NH                              | DH           |  |
| P6SMBJ60A                                | P6SMBJ60CA  | 60                        | 66.7                             | 73.7  | 1  | 1            | 1                                 | 96.8 | 6.2                             | NK                              | DK           |  |
| P6SMBJ64                                 | P6SMBJ64C   | 64                        | 71.1                             | 90.1  | 1  | 1            | 1                                 | 114  | 5.3                             | NL                              | DL           |  |
| P6SMBJ64A                                | P6SMBJ64CA  | 64                        | 71.1                             | 78.6  | 1  | 1            | 1                                 | 103  | 5.8                             | NM                              | DM           |  |
| P6SMBJ70                                 | P6SMBJ70C   | 70                        | 77.8                             | 98.6  | 1  | 1            | 1                                 | 125  | 4.8                             | NN                              | DN           |  |
| P6SMBJ70A                                | P6SMBJ70CA  | 70                        | 77.8                             | 86    | 1  | 1            | 1                                 | 113  | 5.3                             | NP                              | DP           |  |
| P6SMBJ75                                 | P6SMBJ75C   | 75                        | 83.3                             | 105.7 | 1  | 1            | 1                                 | 134  | 4.5                             | NQ                              | DQ           |  |
| P6SMBJ75A                                | P6SMBJ75CA  | 75                        | 83.3                             | 92.1  | 1  | 1            | 1                                 | 121  | 4.9                             | NR                              | DR           |  |
| P6SMBJ78                                 | P6SMBJ78C   | 78                        | 86.7                             | 109.8 | 1  | 1            | 1                                 | 139  | 4.3                             | NS                              | DS           |  |
| P6SMBJ78A                                | P6SMBJ78CA  | 78                        | 86.7                             | 95.8  | 1  | 1            | 1                                 | 126  | 4.7                             | NT                              | DT           |  |
| P6SMBJ85                                 | P6SMBJ85C   | 85                        | 94.4                             | 119.2 | 1  | 1            | 1                                 | 151  | 3.9                             | NU                              | DU           |  |
| P6SMBJ85A                                | P6SMBJ85CA  | 85                        | 94.4                             | 104   | 1  | 1            | 1                                 | 137  | 4.4                             | NV                              | DV           |  |
| P6SMBJ90                                 | P6SMBJ90C   | 90                        | 100                              | 126.5 | 1  | 1            | 1                                 | 160  | 3.8                             | NW                              | DW           |  |
| P6SMBJ90A                                | P6SMBJ90CA  | 90                        | 100                              | 111   | 1  | 1            | 1                                 | 146  | 4.1                             | NX                              | DX           |  |
| P6SMBJ100                                | P6SMBJ100C  | 100                       | 111                              | 141   | 1  | 1            | 1                                 | 179  | 3.4                             | NY                              | DY           |  |
| P6SMBJ100A                               | P6SMBJ100CA | 100                       | 111                              | 123   | 1  | 1            | 1                                 | 162  | 3.7                             | NZ                              | DZ           |  |
| P6SMBJ110                                | P6SMBJ110C  | 110                       | 122                              | 154.5 | 1  | 1            | 1                                 | 196  | 3                               | PD                              | ED           |  |
| P6SMBJ110A                               | P6SMBJ110CA | 110                       | 122                              | 135   | 1  | 1            | 1                                 | 177  | 3.4                             | PE                              | EE           |  |
| P6SMBJ120                                | P6SMBJ120C  | 120                       | 133                              | 169   | 1  | 1            | 1                                 | 214  | 2.8                             | PF                              | EF           |  |
| P6SMBJ120A                               | P6SMBJ120CA | 120                       | 133                              | 147   | 1  | 1            | 1                                 | 193  | 3.1                             | PG                              | EG           |  |
| P6SMBJ130                                | P6SMBJ130C  | 130                       | 144                              | 182.5 | 1  | 1            | 1                                 | 231  | 2.6                             | PH                              | EH           |  |
| P6SMBJ130A                               | P6SMBJ130CA | 130                       | 144                              | 159   | 1  | 1            | 1                                 | 209  | 2.9                             | PK                              | EK           |  |
| P6SMBJ150                                | P6SMBJ150C  | 150                       | 167                              | 211.5 | 1  | 1            | 1                                 | 268  | 2.2                             | PL                              | EL           |  |
| P6SMBJ150A                               | P6SMBJ150CA | 150                       | 167                              | 185   | 1  | 1            | 1                                 | 243  | 2.5                             | PM                              | EM           |  |
| P6SMBJ160                                | P6SMBJ160C  | 160                       | 178                              | 226   | 1  | 1            | 1                                 | 287  | 2.1                             | PN                              | EN           |  |
| P6SMBJ160A                               | P6SMBJ160CA | 160                       | 178                              | 197   | 1  | 1            | 1                                 | 259  | 2.3                             | PP                              | EP           |  |
| P6SMBJ170                                | P6SMBJ170C  | 170                       | 189                              | 239.5 | 1  | 1            | 1                                 | 304  | 2                               | PQ                              | EQ           |  |
| P6SMBJ170A                               | P6SMBJ170CA | 170                       | 189                              | 209   | 1  | 1            | 1                                 | 275  | 2.2                             | PR                              | ER           |  |
| P6SMBJ180                                | P6SMBJ180C  | 180                       | 198                              | 253.8 | 1  | 1            | 1                                 | 322  | 1.9                             | PS                              | ES           |  |
| P6SMBJ180A                               | P6SMBJ180CA | 180                       | 198                              | 222   | 1  | 1            | 1                                 | 292  | 2.1                             | PT                              | ET           |  |
| P6SMBJ190                                | P6SMBJ190C  | 190                       | 209                              | 267.9 | 1  | 1            | 1                                 | 340  | 1.8                             | PU                              | EU           |  |
| P6SMBJ190A                               | P6SMBJ190CA | 190                       | 209                              | 243.2 | 1  | 1            | 1                                 | 308  | 2                               | PV                              | EV           |  |
| P6SMBJ200                                | P6SMBJ200C  | 200                       | 220                              | 282   | 1  | 1            | 1                                 | 358  | 1.7                             | PW                              | EW           |  |
| P6SMBJ200A                               | P6SMBJ200CA | 200                       | 220                              | 247   | 1  | 1            | 1                                 | 324  | 1.9                             | PX                              | EX           |  |
| P6SMBJ210                                | P6SMBJ210C  | 210                       | 231                              | 296.1 | 1  | 1            | 1                                 | 376  | 1.6                             | PY                              | EY           |  |
| P6SMBJ210A                               | P6SMBJ210CA | 210                       | 231                              | 268.8 | 1  | 1            | 1                                 | 340  | 1.8                             | PZ                              | EZ           |  |
| P6SMBJ220                                | P6SMBJ220C  | 220                       | 242                              | 310.2 | 1  | 1            | 1                                 | 394  | 1.5                             | QD                              | FD           |  |
| P6SMBJ220A                               | P6SMBJ220CA | 220                       | 242                              | 272   | 1  | 1            | 1                                 | 356  | 1.7                             | QE                              | FE           |  |



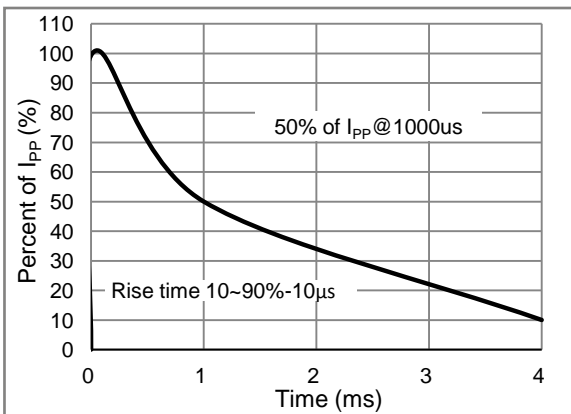
## P6SMBJ SERIES



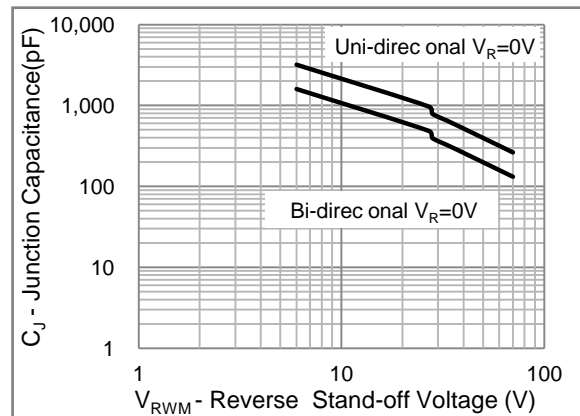
**Fig.1 Peak Pulse Power Rating**



**Fig.2 Derating Curve**



**Fig.3 10/1000 $\mu\text{s}$  Pulse Waveform**

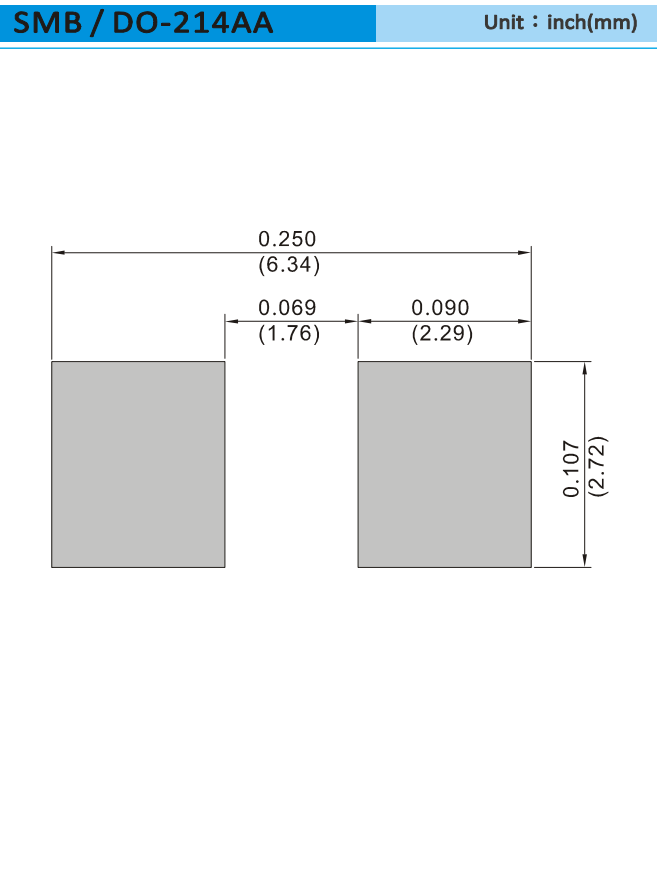


**Fig.4 Typical Capacitance**



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### MOUNTING PAD LAYOUT



### ORDER INFORMATION

- Packing information  
T/R - 3K per 13" plastic Reel  
T/R - 0.8K per 7" plastic Reel



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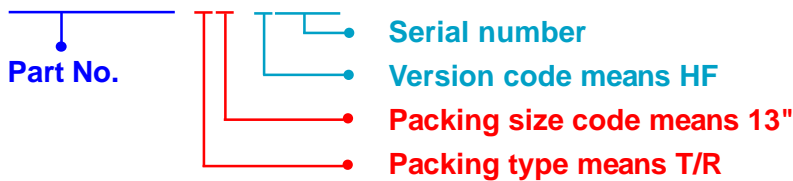
### Part No\_packing code\_Version

P6SMBJ5.0\_R1\_00001

P6SMBJ5.0\_R2\_00001

For example :

**RB500V-40\_R2\_00001**



| Packing Code <b>XX</b>               |                      |                                  |                      | Version Code <b>XXXXX</b> |                      |                                       |
|--------------------------------------|----------------------|----------------------------------|----------------------|---------------------------|----------------------|---------------------------------------|
| Packing type                         | 1 <sup>st</sup> Code | Packing size code                | 2 <sup>nd</sup> Code | HF or RoHS                | 1 <sup>st</sup> Code | 2 <sup>nd</sup> ~5 <sup>th</sup> Code |
| Tape and Ammunition Box (T/B)        | A                    | N/A                              | 0                    | HF                        | 0                    | serial number                         |
| Tape and Reel (T/R)                  | R                    | 7"                               | 1                    | RoHS                      | 1                    | serial number                         |
| Bulk Packing (B/P)                   | B                    | 13"                              | 2                    |                           |                      |                                       |
| Tube Packing (T/P)                   | T                    | 26mm                             | X                    |                           |                      |                                       |
| Tape and Reel (Right Oriented) (TRR) | S                    | 52mm                             | Y                    |                           |                      |                                       |
| Tape and Reel (Left Oriented) (TRL)  | L                    | PANASERT T/B CATHODE UP (PBCU)   | U                    |                           |                      |                                       |
| FORMING                              | F                    | PANASERT T/B CATHODE DOWN (PBCD) | D                    |                           |                      |                                       |



## P6SMBJ SERIES

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