



### 3.DATA SHEET

## 1.5SMCJ SERIES

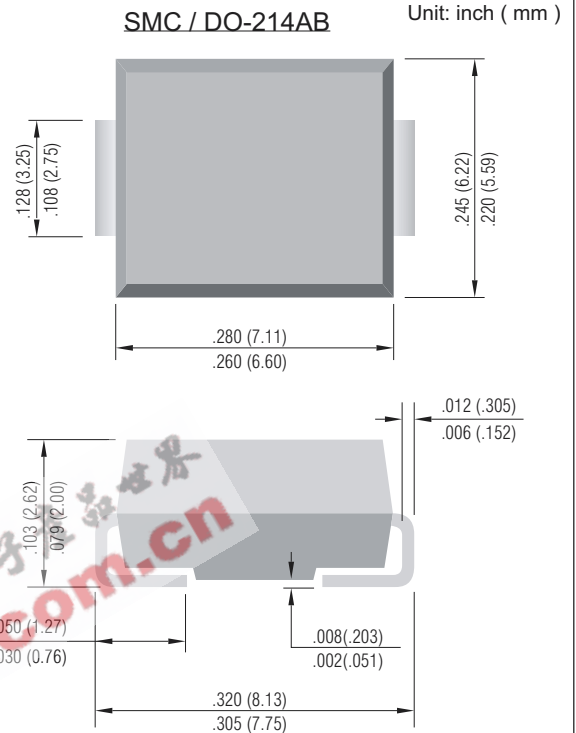
**SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR**  
**VOLTAGE - 5.0 to 220 Volts 1500 Watt Peak Power Pulse**

#### FEATURES

- For surface mounted applications in order to optimize board space.
- Low profile package
- Built-in strain relief
- Glass passivated junction
- Excellent clamping capability
- Low inductance
- Fast response time: typically less than 1.0 ps from 0 volts to BV min
- Typical IR less than 1μA above 10V
- High temperature soldering : 250°C/10 seconds at terminals.
- Plastic package has Underwriters Laboratory Flammability Classification 94V-O

#### MECHANICAL DATA

Case: JEDEC DO-214AB, Molded plastic over passivated junction  
 Terminals: Solder plated , solderable per MIL-STD-750, Method 2026  
 Polarity: Color band denotes positive end ( cathode) except Bidirectional.  
 Standard Packageing: 16mm tape per (EIA-481)  
 Weight: 0.007 ounces, 0.21 gram



#### 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 Power Dissipation at T <sub>A</sub> =25°C, T <sub>P</sub> =1ms(Note 1,2 ,Fig.1 )        | P <sub>PPM</sub>                  | Minimum 1500 | Watts |
| Peak Forward Surge Current,8.3ms single half sine-wave superimposed on rated load (Note 2,3) | I <sub>FSM</sub>                  | 100.0        | Amps  |
| Peak Pulse Current Current on 10/1000μs waveform(Note 1, Fig.3 )                             | I <sub>PPM</sub>                  | See Table 1  | Amps  |
| Operating and Storage Temperature Range                                                      | T <sub>J</sub> , T <sub>STG</sub> | -55 to +150  | °C    |

#### NOTES:

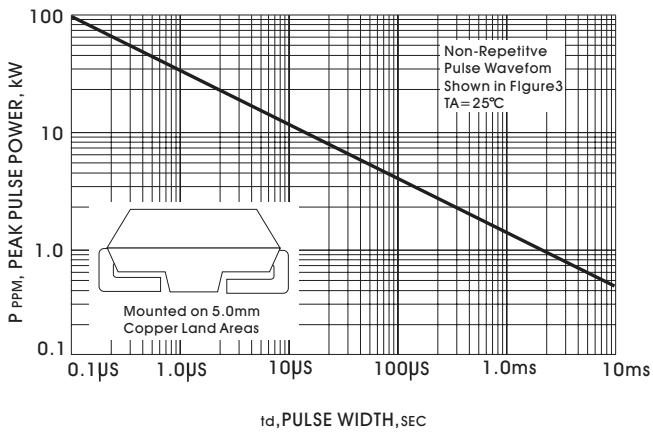
- 1.Non-repetitive current pulse, per Fig. 3 and derated above T<sub>A</sub>=25°C per Fig. 2.
- 2.Mounted on 5.0mm<sup>2</sup> ( .013mm thick) land areas.
- 3 8.3ms , single half sine-wave or equivalent square wave , duty cycle= 4 pulses per minutes maximum.



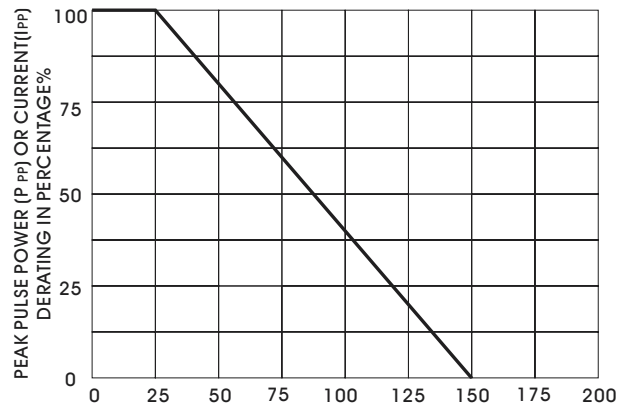
| Part Number                               | Marking Code |     | V <sub>RWM</sub> | V <sub>BR</sub> @ I <sub>T</sub> |       |                | I <sub>R</sub> @ V <sub>RWM</sub> |      | V <sub>c</sub> @ I <sub>PP</sub> |       | PACKAGE      |
|-------------------------------------------|--------------|-----|------------------|----------------------------------|-------|----------------|-----------------------------------|------|----------------------------------|-------|--------------|
|                                           | UNI-         | BI- |                  | Min.                             | Max.  | I <sub>T</sub> | UNI-                              | BI-  | V                                | A     |              |
|                                           |              |     | V                | V                                | mA    | uA             | uA                                |      |                                  |       |              |
| <b>1500W Transient Voltage Suppressor</b> |              |     |                  |                                  |       |                |                                   |      |                                  |       |              |
| 1.5SMCJ5.0(C)                             | GDD          | BDD | 5.0              | 6.40                             | 7.55  | 10             | 1000                              | 2000 | 9.6                              | 156.2 | SMC/DO-214AB |
| 1.5SMCJ5.0(C)A                            | GDE          | BDE | 5.0              | 6.40                             | 7.25  | 10             | 1000                              | 2000 | 9.2                              | 163.0 | SMC/DO-214AB |
| 1.5SMCJ6.0(C)                             | GDF          | BDF | 6.0              | 6.67                             | 8.45  | 10             | 1000                              | 2000 | 11.4                             | 131.6 | SMC/DO-214AB |
| 1.5SMCJ6.0(C)A                            | GDG          | BDG | 6.0              | 6.67                             | 7.67  | 10             | 1000                              | 2000 | 10.3                             | 145.6 | SMC/DO-214AB |
| 1.5SMCJ6.5(C)                             | GDH          | BDH | 6.5              | 7.22                             | 9.14  | 10             | 500                               | 1000 | 12.3                             | 122.0 | SMC/DO-214AB |
| 1.5SMCJ6.5(C)A                            | GDK          | BDK | 6.5              | 7.22                             | 8.30  | 10             | 500                               | 1000 | 11.2                             | 133.9 | SMC/DO-214AB |
| 1.5SMCJ7.0(C)                             | GDL          | BDL | 7.0              | 7.78                             | 9.86  | 10             | 200                               | 400  | 13.3                             | 112.8 | SMC/DO-214AB |
| 1.5SMCJ7.0(C)A                            | GDM          | BDM | 7.0              | 7.78                             | 8.95  | 10             | 200                               | 400  | 12.0                             | 125.0 | SMC/DO-214AB |
| 1.5SMCJ7.5(C)                             | GDN          | BDN | 7.5              | 8.33                             | 10.67 | 1.0            | 100                               | 200  | 14.3                             | 104.9 | SMC/DO-214AB |
| 1.5SMCJ7.5(C)A                            | GDP          | BDP | 7.5              | 8.33                             | 9.58  | 1.0            | 100                               | 200  | 12.9                             | 116.3 | SMC/DO-214AB |
| 1.5SMCJ8.0(C)                             | GDQ          | BDQ | 8.0              | 8.89                             | 11.30 | 1.0            | 50                                | 100  | 15.0                             | 100.0 | SMC/DO-214AB |
| 1.5SMCJ8.0(C)A                            | GDR          | BDR | 8.0              | 8.89                             | 10.23 | 1.0            | 50                                | 100  | 13.6                             | 110.3 | SMC/DO-214AB |
| 1.5SMCJ8.5(C)                             | GDS          | BDS | 8.5              | 9.44                             | 11.92 | 1.0            | 10                                | 20   | 15.9                             | 94.3  | SMC/DO-214AB |
| 1.5SMCJ8.5(C)A                            | GDT          | BDT | 8.5              | 9.44                             | 10.82 | 1.0            | 10                                | 20   | 14.4                             | 104.2 | SMC/DO-214AB |
| 1.5SMCJ9.0(C)                             | GDU          | BDU | 9.0              | 10.0                             | 12.6  | 1.0            | 5                                 | 10   | 16.9                             | 88.7  | SMC/DO-214AB |
| 1.5SMCJ9.0(C)A                            | GDV          | BDV | 9.0              | 10.0                             | 11.5  | 1.0            | 5                                 | 10   | 15.4                             | 97.4  | SMC/DO-214AB |
| 1.5SMCJ10(C)                              | GDW          | BDW | 10               | 11.1                             | 14.1  | 1.0            | 5                                 | 5    | 18.8                             | 79.8  | SMC/DO-214AB |
| 1.5SMCJ10(C)A                             | GDX          | BDX | 10               | 11.1                             | 12.8  | 1.0            | 5                                 | 5    | 17.0                             | 88.2  | SMC/DO-214AB |
| 1.5SMCJ11(C)                              | GDY          | BDY | 11               | 12.2                             | 15.4  | 1.0            | 5                                 | 5    | 20.1                             | 74.6  | SMC/DO-214AB |
| 1.5SMCJ11(C)A                             | GDZ          | BDZ | 11               | 12.2                             | 14.0  | 1.0            | 5                                 | 5    | 18.2                             | 82.4  | SMC/DO-214AB |
| 1.5SMCJ12(C)                              | GED          | BED | 12               | 13.3                             | 16.9  | 1.0            | 5                                 | 5    | 22.0                             | 68.2  | SMC/DO-214AB |
| 1.5SMCJ12(C)A                             | GEE          | BEE | 12               | 13.3                             | 15.3  | 1.0            | 5                                 | 5    | 19.9                             | 75.3  | SMC/DO-214AB |
| 1.5SMCJ13(C)                              | GEF          | BEF | 13               | 14.4                             | 18.2  | 1.0            | 5                                 | 5    | 23.8                             | 63.0  | SMC/DO-214AB |
| 1.5SMCJ13(C)A                             | GEG          | BEG | 13               | 14.4                             | 16.5  | 1.0            | 5                                 | 5    | 21.5                             | 69.7  | SMC/DO-214AB |
| 1.5SMCJ14(C)                              | GEH          | BEH | 14               | 15.6                             | 19.8  | 1.0            | 5                                 | 5    | 25.8                             | 58.1  | SMC/DO-214AB |
| 1.5SMCJ14(C)A                             | GEK          | BEK | 14               | 15.6                             | 17.9  | 1.0            | 5                                 | 5    | 23.2                             | 64.7  | SMC/DO-214AB |
| 1.5SMCJ15(C)                              | GEL          | BEL | 15               | 16.7                             | 21.1  | 1.0            | 5                                 | 5    | 26.9                             | 55.8  | SMC/DO-214AB |
| 3.0SMCJ15(C)A                             | GEM          | BEM | 15               | 16.7                             | 19.2  | 1.0            | 5                                 | 5    | 24.4                             | 61.5  | SMC/DO-214AB |
| 1.5SMCJ16(C)                              | GEN          | BEN | 16               | 17.8                             | 22.6  | 1.0            | 5                                 | 5    | 28.8                             | 52.1  | SMC/DO-214AB |
| 1.5SMCJ16(C)A                             | GEP          | BEP | 16               | 17.8                             | 20.5  | 1.0            | 5                                 | 5    | 26.0                             | 57.7  | SMC/DO-214AB |
| 1.5SMCJ17(C)                              | GEQ          | BEQ | 17               | 18.9                             | 23.9  | 1.0            | 5                                 | 5    | 30.5                             | 49.2  | SMC/DO-214AB |
| 1.5SMCJ17(C)A                             | GER          | BER | 17               | 18.9                             | 21.7  | 1.0            | 5                                 | 5    | 27.6                             | 53.3  | SMC/DO-214AB |
| 1.5SMCJ18(C)                              | GES          | BES | 18               | 20.0                             | 25.3  | 1.0            | 5                                 | 5    | 32.2                             | 46.6  | SMC/DO-214AB |
| 1.5SMCJ18(C)A                             | GET          | BET | 18               | 20.0                             | 23.3  | 1.0            | 5                                 | 5    | 29.2                             | 51.4  | SMC/DO-214AB |
| 1.5SMCJ20(C)                              | GEU          | BEU | 20               | 22.2                             | 28.1  | 1.0            | 5                                 | 5    | 35.8                             | 41.9  | SMC/DO-214AB |
| 1.5SMCJ20(C)A                             | GEV          | BEV | 20               | 22.2                             | 25.5  | 1.0            | 5                                 | 5    | 32.4                             | 46.3  | SMC/DO-214AB |
| 1.5SMCJ22(C)                              | GEW          | BEW | 22               | 24.4                             | 30.9  | 1.0            | 5                                 | 5    | 39.4                             | 38.1  | SMC/DO-214AB |
| 1.5SMCJ22(C)A                             | GEX          | BEX | 22               | 24.4                             | 28.0  | 1.0            | 5                                 | 5    | 35.5                             | 42.2  | SMC/DO-214AB |
| 1.5SMCJ24(C)                              | GEZ          | BEZ | 24               | 26.7                             | 33.8  | 1.0            | 5                                 | 5    | 43.0                             | 34.9  | SMC/DO-214AB |
| 1.5SMCJ24(C)A                             | GEY          | BEY | 24               | 26.7                             | 30.7  | 1.0            | 5                                 | 5    | 38.9                             | 38.6  | SMC/DO-214AB |
| 1.5SMCJ26(C)                              | GFD          | BFD | 26               | 28.9                             | 36.6  | 1.0            | 5                                 | 5    | 46.6                             | 32.2  | SMC/DO-214AB |
| 1.5SMCJ26(C)A                             | GFE          | BFE | 26               | 28.9                             | 33.2  | 1.0            | 5                                 | 5    | 42.1                             | 35.6  | SMC/DO-214AB |
| 1.5SMCJ28(C)                              | GFF          | BFF | 28               | 31.1                             | 39.4  | 1.0            | 5                                 | 5    | 50.0                             | 30.0  | SMC/DO-214AB |
| 1.5SMCJ28(C)A                             | GFG          | BFG | 28               | 31.1                             | 35.8  | 1.0            | 5                                 | 5    | 45.4                             | 33.0  | SMC/DO-214AB |
| 1.5SMCJ30(C)                              | GFH          | BFH | 30               | 33.3                             | 42.2  | 1.0            | 5                                 | 5    | 53.5                             | 28.0  | SMC/DO-214AB |
| 1.5SMCJ30(C)A                             | GFK          | BFK | 30               | 33.3                             | 38.3  | 1.0            | 5                                 | 5    | 48.4                             | 31.0  | SMC/DO-214AB |
| 1.5SMCJ33(C)                              | GFL          | BFL | 33               | 36.7                             | 46.5  | 1.0            | 5                                 | 5    | 59.0                             | 25.2  | SMC/DO-214AB |
| 1.5SMCJ33(C)A                             | GFM          | BFM | 33               | 36.7                             | 42.2  | 1.0            | 5                                 | 5    | 53.3                             | 28.1  | SMC/DO-214AB |
| 1.5SMCJ36(C)                              | GFN          | BFN | 36               | 40.0                             | 50.7  | 1.0            | 5                                 | 5    | 64.3                             | 23.3  | SMC/DO-214AB |
| 1.5SMCJ36(C)A                             | GFP          | BFP | 36               | 40.0                             | 46.0  | 1.0            | 5                                 | 5    | 58.1                             | 25.8  | SMC/DO-214AB |
| 1.5SMCJ40(C)                              | GFQ          | BFQ | 40               | 44.4                             | 56.3  | 1.0            | 5                                 | 5    | 71.4                             | 21.0  | SMC/DO-214AB |
| 1.5SMCJ40(C)A                             | GFR          | BFR | 40               | 44.4                             | 51.1  | 1.0            | 5                                 | 5    | 64.5                             | 23.2  | SMC/DO-214AB |



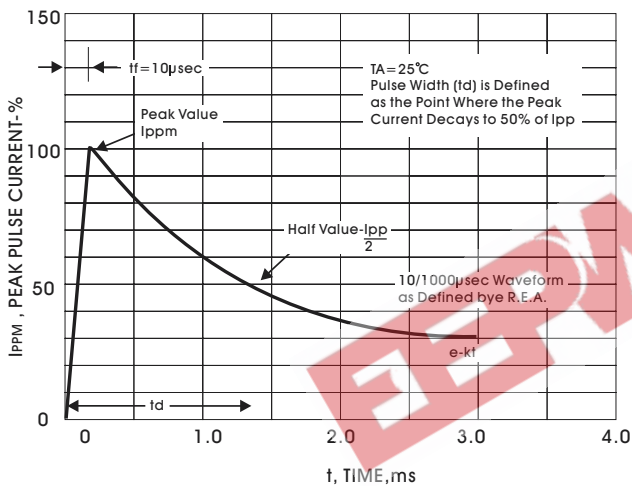
| Part Number                               | Marking Code |     | V <sub>RWM</sub> | V <sub>BR</sub> @ I <sub>T</sub> |        |                   | I <sub>R</sub> @ V <sub>RWM</sub> |        | V <sub>C</sub> @ I <sub>PP</sub> |      | PACKAGE      |
|-------------------------------------------|--------------|-----|------------------|----------------------------------|--------|-------------------|-----------------------------------|--------|----------------------------------|------|--------------|
|                                           | UNI-         | BI- |                  | Min. V                           | Max. V | I <sub>T</sub> mA | UNI- uA                           | BI- uA | V                                | A    |              |
|                                           |              |     | V                | V                                |        |                   |                                   |        |                                  |      |              |
| <b>1500W Transient Voltage Suppressor</b> |              |     |                  |                                  |        |                   |                                   |        |                                  |      |              |
| 1.5SMCJ43(C)                              | GFS          | BFS | 43               | 47.8                             | 60.5   | 1.0               | 5                                 | 5      | 76.7                             | 19.6 | SMC/DO-214AB |
| 1.5SMCJ43(C)A                             | GFT          | BFT | 43               | 47.8                             | 54.9   | 1.0               | 5                                 | 5      | 69.4                             | 21.6 | SMC/DO-214AB |
| 1.5SMCJ45(C)                              | GFU          | BFU | 45               | 50.0                             | 63.3   | 1.0               | 5                                 | 5      | 80.3                             | 18.7 | SMC/DO-214AB |
| 1.5SMCJ45(C)A                             | GFV          | BFV | 45               | 50.0                             | 57.5   | 1.0               | 5                                 | 5      | 72.7                             | 20.6 | SMC/DO-214AB |
| 1.5SMCJ48(C)                              | GFW          | BFW | 48               | 53.3                             | 67.5   | 1.0               | 5                                 | 5      | 85.5                             | 17.5 | SMC/DO-214AB |
| 1.5SMCJ48(C)A                             | GFX          | BFX | 48               | 53.3                             | 61.3   | 1.0               | 5                                 | 5      | 77.4                             | 19.4 | SMC/DO-214AB |
| 1.5SMCJ51(C)                              | GFY          | BFY | 51               | 56.7                             | 71.8   | 1.0               | 5                                 | 5      | 91.1                             | 18.5 | SMC/DO-214AB |
| 1.5SMCJ51(C)A                             | GFZ          | BFZ | 51               | 56.7                             | 65.2   | 1.0               | 5                                 | 5      | 82.4                             | 18.2 | SMC/DO-214AB |
| 1.5SMCJ54(C)                              | GGD          | BGD | 54               | 60.0                             | 76.0   | 1.0               | 5                                 | 5      | 96.3                             | 15.6 | SMC/DO-214AB |
| 1.5SMCJ54(C)A                             | GGE          | BGE | 54               | 60.0                             | 69.0   | 1.0               | 5                                 | 5      | 87.1                             | 17.2 | SMC/DO-214AB |
| 1.5SMCJ58(C)                              | GGF          | BGF | 58               | 64.4                             | 81.6   | 1.0               | 5                                 | 5      | 103                              | 14.6 | SMC/DO-214AB |
| 1.5SMCJ58(C)A                             | GGG          | BGG | 58               | 64.4                             | 74.1   | 1.0               | 5                                 | 5      | 93.6                             | 16.0 | SMC/DO-214AB |
| 1.5SMCJ60(C)                              | GGH          | BGH | 60               | 66.7                             | 84.5   | 1.0               | 5                                 | 5      | 107                              | 14.0 | SMC/DO-214AB |
| 1.5SMCJ60(C)A                             | GGK          | BGK | 60               | 66.7                             | 76.7   | 1.0               | 5                                 | 5      | 96.8                             | 15.5 | SMC/DO-214AB |
| 1.5SMCJ64(C)                              | GGL          | BGL | 64               | 71.1                             | 90.1   | 1.0               | 5                                 | 5      | 114                              | 13.2 | SMC/DO-214AB |
| 1.5SMCJ64(C)A                             | GGM          | BGM | 64               | 71.1                             | 81.8   | 1.0               | 5                                 | 5      | 103                              | 14.6 | SMC/DO-214AB |
| 1.5SMCJ70(C)                              | GGN          | BGN | 70               | 77.8                             | 98.6   | 1.0               | 5                                 | 5      | 125                              | 12.0 | SMC/DO-214AB |
| 1.5SMCJ70(C)A                             | GGP          | BGP | 70               | 77.8                             | 89.5   | 1.0               | 5                                 | 5      | 113                              | 13.3 | SMC/DO-214AB |
| 1.5SMCJ75(C)                              | GGQ          | BGQ | 75               | 83.3                             | 105.7  | 1.0               | 5                                 | 5      | 134                              | 11.2 | SMC/DO-214AB |
| 1.5SMCJ75(C)A                             | GGR          | BGR | 75               | 83.3                             | 95.8   | 1.0               | 5                                 | 5      | 121                              | 12.4 | SMC/DO-214AB |
| 1.5SMCJ78(C)                              | GGS          | BGS | 78               | 86.7                             | 109.8  | 1.0               | 5                                 | 5      | 139                              | 10.8 | SMC/DO-214AB |
| 1.5SMCJ78(C)A                             | GGT          | BGT | 78               | 86.7                             | 99.7   | 1.0               | 5                                 | 5      | 126                              | 11.4 | SMC/DO-214AB |
| 1.5SMCJ85(C)                              | GGU          | BGU | 85               | 94.4                             | 119.2  | 1.0               | 5                                 | 5      | 151                              | 9.9  | SMC/DO-214AB |
| 1.5SMCJ85(C)A                             | GGV          | BGV | 85               | 94.4                             | 108.2  | 1.0               | 5                                 | 5      | 137                              | 10.4 | SMC/DO-214AB |
| 1.5SMCJ90(C)                              | GGW          | BGW | 90               | 100                              | 126.5  | 1.0               | 5                                 | 5      | 160                              | 9.4  | SMC/DO-214AB |
| 1.5SMCJ90(C)A                             | GGX          | BGX | 90               | 100                              | 115.5  | 1.0               | 5                                 | 5      | 146                              | 10.3 | SMC/DO-214AB |
| 1.5SMCJ100(C)                             | GGZ          | BGZ | 100              | 111                              | 141.0  | 1.0               | 5                                 | 5      | 179                              | 8.4  | SMC/DO-214AB |
| 1.5SMCJ100(C)A                            | GGY          | BGY | 100              | 111                              | 128.0  | 1.0               | 5                                 | 5      | 162                              | 9.3  | SMC/DO-214AB |
| 1.5SMCJ110(C)                             | GHD          | BHD | 110              | 122                              | 154.5  | 1.0               | 5                                 | 5      | 196                              | 7.7  | SMC/DO-214AB |
| 1.5SMCJ110(C)A                            | GHE          | BHE | 110              | 122                              | 140.5  | 1.0               | 5                                 | 5      | 177                              | 8.4  | SMC/DO-214AB |
| 1.5SMCJ120(C)                             | GHF          | BHF | 120              | 133                              | 169.0  | 1.0               | 5                                 | 5      | 214                              | 7.0  | SMC/DO-214AB |
| 1.5SMCJ120(C)A                            | GHG          | BHG | 120              | 133                              | 153.0  | 1.0               | 5                                 | 5      | 193                              | 7.9  | SMC/DO-214AB |
| 1.5SMCJ130(C)                             | GHH          | BHH | 130              | 144                              | 182.5  | 1.0               | 5                                 | 5      | 231                              | 6.5  | SMC/DO-214AB |
| 1.5SMCJ130(C)A                            | GHK          | BHK | 130              | 144                              | 165.5  | 1.0               | 5                                 | 5      | 209                              | 7.2  | SMC/DO-214AB |
| 1.5SMCJ150(C)                             | GHL          | BHL | 150              | 167                              | 211.5  | 1.0               | 5                                 | 5      | 268                              | 5.6  | SMC/DO-214AB |
| 1.5SMCJ150(C)A                            | GHM          | BHM | 150              | 167                              | 192.5  | 1.0               | 5                                 | 5      | 243                              | 6.2  | SMC/DO-214AB |
| 1.5SMCJ160(C)                             | GHN          | BHN | 160              | 178                              | 226.0  | 1.0               | 5                                 | 5      | 287                              | 5.2  | SMC/DO-214AB |
| 1.5SMCJ160(C)A                            | GHP          | BHP | 160              | 178                              | 205.0  | 1.0               | 5                                 | 5      | 259                              | 5.8  | SMC/DO-214AB |
| 1.5SMCJ170(C)                             | GHQ          | BHQ | 170              | 189                              | 239.5  | 1.0               | 5                                 | 5      | 304                              | 4.9  | SMC/DO-214AB |
| 1.5SMCJ170(C)A                            | GHR          | BHR | 170              | 189                              | 217.5  | 1.0               | 5                                 | 5      | 275                              | 5.5  | SMC/DO-214AB |
| 1.5SMCJ180(C)                             | GHS          | BHS | 180              | 198                              | 253.8  | 1.0               | 5                                 | 5      | 322                              | 4.7  | SMC/DO-214AB |
| 1.5SMCJ180(C)A                            | GHT          | BHT | 180              | 198                              | 230.4  | 1.0               | 5                                 | 5      | 292                              | 5.1  | SMC/DO-214AB |
| 1.5SMCJ190(C)                             | GHU          | BHU | 190              | 209                              | 267.9  | 1.0               | 5                                 | 5      | 340                              | 4.4  | SMC/DO-214AB |
| 1.5SMCJ190(C)A                            | GHV          | BHV | 190              | 209                              | 243.2  | 1.0               | 5                                 | 5      | 308                              | 4.8  | SMC/DO-214AB |
| 1.5SMCJ200(C)                             | GHW          | BHW | 200              | 220                              | 282.0  | 1.0               | 5                                 | 5      | 358                              | 4.1  | SMC/DO-214AB |
| 1.5SMCJ200(C)A                            | GHX          | BHX | 200              | 220                              | 256.0  | 1.0               | 5                                 | 5      | 324                              | 4.6  | SMC/DO-214AB |
| 1.5SMCJ210(C)                             | GHY          | BHY | 210              | 231                              | 296.1  | 1.0               | 5                                 | 5      | 376                              | 4.0  | SMC/DO-214AB |
| 1.5SMCJ210(C)A                            | GHZ          | BHZ | 210              | 231                              | 268.8  | 1.0               | 5                                 | 5      | 340                              | 4.4  | SMC/DO-214AB |
| 1.5SMCJ220(C)                             | GID          | BID | 220              | 242                              | 310.2  | 1.0               | 5                                 | 5      | 394                              | 3.8  | SMC/DO-214AB |
| 1.5SMCJ220(C)A                            | GIE          | BIE | 220              | 242                              | 281.6  | 1.0               | 5                                 | 5      | 356                              | 4.2  | SMC/DO-214AB |



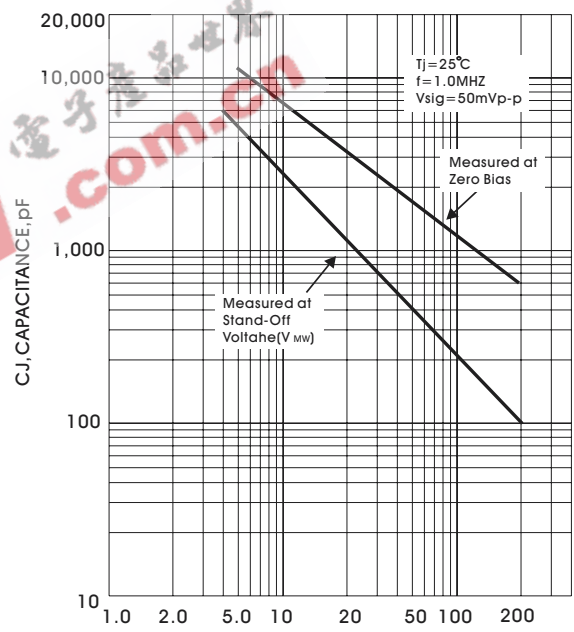
td, PULSE WIDTH, SEC  
**FIGURE 1-PEAK PULSE POWER RATING CURVE**



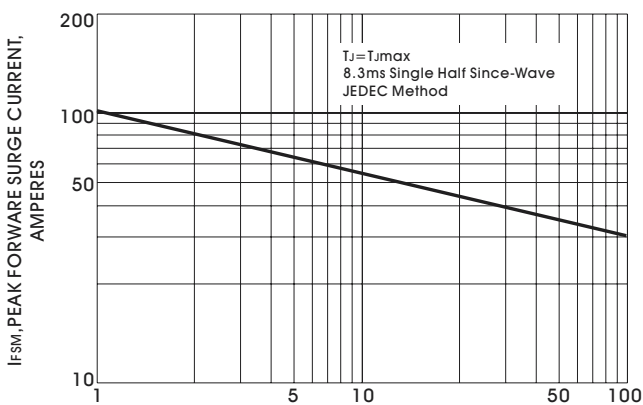
TA, AMBIENT TEMPERATURE, °C  
**FIGURE 2 DERATING CURVE**



t, TIME, ms  
**FIGURE 3-PULSE WAVEFORM**



V(BR), BREAKDOWN VOLTAGE, VOLTS  
**FIGURE 4 TYPICAL CAPACITANCE**



Tl, LEAD TEMPERATURE, °C  
**FIG. 5-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT UNIDIRECTIONAL**