



# 1.5SMCJ SERIES

## SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR PEAK PULSE POWER 1500 Watt

**STAND-OFF VOLTAGE**

**5 to 220 Volt**

**SMC / DO-214AB**

Unit : inch(mm)

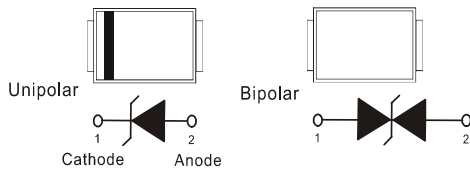
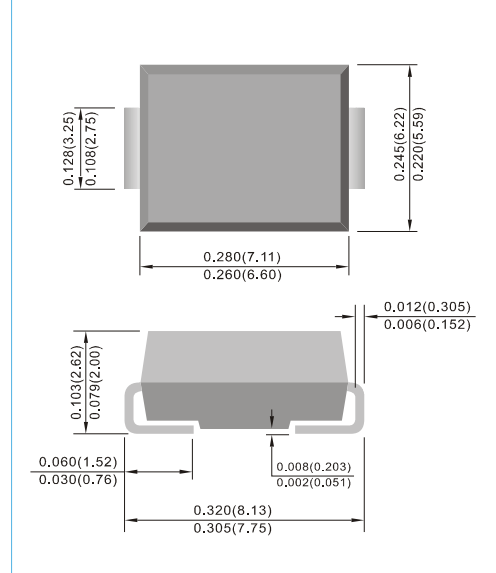
**Recongnized File # E210467**

### FEATURES

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

### 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 cathode end
- Standard Packaging: 16mm tape (EIA-481)
- Weight: 0.0082 ounce, 0.2325 gram



### DEVICES FOR BIPOLAR APPLICATIONS

For Bidirectional use C or CA Suffix for types 1.5SMCJ5.0 thru types 1.5SMCJ220.  
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 Power Dissipation at $T_A=25^\circ\text{C}$ , $t_p=1\text{ms}$ (Notes 1)                | $P_{PP}$        | 1500                 | W                           |
| Peak Pulse Current on $t_p=10/1000\mu\text{s}$ waveform (Notes 1)                            | $I_{PPM}$       | See table            | A                           |
| Typical Thermal Resistance Junction to Air (Notes 2)   | $R_{\theta JA}$ | 50                   | $^\circ\text{C} / \text{W}$ |
| Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Superimposed on Rated Load (Notes 3) | $I_{FSM}$       | 200                  | A                           |
| ESD IEC-61000-4-2 (Air)<br>ESD IEC-61000-4-2 (Contact)                                       | $V_{ESD}$       | $\pm 30$<br>$\pm 30$ | kV                          |
| Operating Junction and Storage Temperature Range   | $T_J, T_{STG}$  | -55 to +150          | $^\circ\text{C}$            |

#### NOTES :

1. Non-repetitive current pulse, per Fig. 3 and derated above  $T_A=25^\circ\text{C}$  per Fig. 2.
2. Mounted on  $2\text{mm}^2$  (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.
4. A transient suppressor is selected according to the working peak reverse voltage ( $V_{RWM}$ ), which should be equal to or greater than the DC or continuous peak operating voltage level.



# 1.5SMCJ SERIES

| Part Number                        |              | Reverse Stand-off Voltage      | Breakdown Voltage                |       | Test Current   | Reverse Leakage                    |      | Max. Clamp Voltage 10/1000µs     | Peak Pulse Current 10/1000µs | Marking Code |     |
|------------------------------------|--------------|--------------------------------|----------------------------------|-------|----------------|------------------------------------|------|----------------------------------|------------------------------|--------------|-----|
|                                    |              | V <sub>VRWM</sub><br>(Notes 4) | V <sub>BR</sub> @ I <sub>T</sub> |       | I <sub>T</sub> | I <sub>R</sub> @ V <sub>VRWM</sub> |      | V <sub>C</sub> @ I <sub>PP</sub> | I <sub>PP</sub>              |              |     |
|                                    |              |                                | Min.                             | Max.  |                | UNI                                | BI   |                                  |                              |              |     |
| UNI                                | BI           | V                              | V                                | V     | mA             | µA                                 | µA   | V                                | A                            | UNI          | BI  |
| 1500W Transient Voltage Suppressor |              |                                |                                  |       |                |                                    |      |                                  |                              |              |     |
| 1.5SMCJ5.0                         | 1.5SMCJ5.0C  | 5                              | 6.4                              | 7.55  | 10             | 1000                               | 2000 | 9.6                              | 156.2                        | GDD          | BDD |
| 1.5SMCJ5.0A                        | 1.5SMCJ5.0CA | 5                              | 6.4                              | 7.25  | 10             | 1000                               | 2000 | 9.2                              | 163                          | GDE          | BDE |
| 1.5SMCJ6.0                         | 1.5SMCJ6.0C  | 6                              | 6.67                             | 8.45  | 10             | 1000                               | 2000 | 11.4                             | 131.6                        | GDF          | BDF |
| 1.5SMCJ6.0A                        | 1.5SMCJ6.0CA | 6                              | 6.67                             | 7.67  | 10             | 1000                               | 2000 | 10.3                             | 145.6                        | GDG          | BDG |
| 1.5SMCJ6.5                         | 1.5SMCJ6.5C  | 6.5                            | 7.22                             | 9.14  | 10             | 500                                | 1000 | 12.3                             | 122                          | GDH          | BDH |
| 1.5SMCJ6.5A                        | 1.5SMCJ6.5CA | 6.5                            | 7.22                             | 8.3   | 10             | 500                                | 1000 | 11.2                             | 133.9                        | GDK          | BDK |
| 1.5SMCJ7.0                         | 1.5SMCJ7.0C  | 7                              | 7.78                             | 9.86  | 10             | 200                                | 400  | 13.3                             | 112.8                        | GDL          | BDL |
| 1.5SMCJ7.0A                        | 1.5SMCJ7.0CA | 7                              | 7.78                             | 8.95  | 10             | 200                                | 400  | 12                               | 125                          | GDM          | BDM |
| 1.5SMCJ7.5                         | 1.5SMCJ7.5C  | 7.5                            | 8.33                             | 10.67 | 1              | 100                                | 200  | 14.3                             | 104.9                        | GDN          | BDN |
| 1.5SMCJ7.5A                        | 1.5SMCJ7.5CA | 7.5                            | 8.33                             | 9.58  | 1              | 100                                | 200  | 12.9                             | 116.3                        | GDP          | BDP |
| 1.5SMCJ8.0                         | 1.5SMCJ8.0C  | 8                              | 8.89                             | 11    | 1              | 50                                 | 100  | 15                               | 100                          | GDQ          | BDQ |
| 1.5SMCJ8.0A                        | 1.5SMCJ8.0CA | 8                              | 8.89                             | 10.23 | 1              | 50                                 | 100  | 13.6                             | 110.3                        | GDR          | BDR |
| 1.5SMCJ8.5                         | 1.5SMCJ8.5C  | 8.5                            | 9.44                             | 11.92 | 1              | 25                                 | 50   | 15.9                             | 94.3                         | GDS          | BDS |
| 1.5SMCJ8.5A                        | 1.5SMCJ8.5CA | 8.5                            | 9.44                             | 10.82 | 1              | 25                                 | 50   | 14.4                             | 104.2                        | GDT          | BDT |
| 1.5SMCJ9.0                         | 1.5SMCJ9.0C  | 9                              | 10                               | 12.6  | 1              | 10                                 | 20   | 16.9                             | 88.7                         | GDU          | BDU |
| 1.5SMCJ9.0A                        | 1.5SMCJ9.0CA | 9                              | 10                               | 11.5  | 1              | 10                                 | 20   | 15.4                             | 97.4                         | GDV          | BDV |
| 1.5SMCJ10                          | 1.5SMCJ10C   | 10                             | 11.1                             | 14.1  | 1              | 5                                  | 5    | 18.8                             | 79.8                         | GDW          | BDW |
| 1.5SMCJ10A                         | 1.5SMCJ10CA  | 10                             | 11.1                             | 12.8  | 1              | 5                                  | 5    | 17                               | 88.2                         | GDX          | BDX |
| 1.5SMCJ11                          | 1.5SMCJ11C   | 11                             | 12.2                             | 15.4  | 1              | 1                                  | 1    | 20.1                             | 74.6                         | GDY          | BDY |
| 1.5SMCJ11A                         | 1.5SMCJ11CA  | 11                             | 12.2                             | 14    | 1              | 1                                  | 1    | 18.2                             | 82.4                         | GDZ          | BDZ |
| 1.5SMCJ12                          | 1.5SMCJ12C   | 12                             | 13.3                             | 16.9  | 1              | 1                                  | 1    | 22                               | 68.2                         | GED          | BED |
| 1.5SMCJ12A                         | 1.5SMCJ12CA  | 12                             | 13.3                             | 15.3  | 1              | 1                                  | 1    | 19.9                             | 75.3                         | GEE          | BEE |
| 1.5SMCJ13                          | 1.5SMCJ13C   | 13                             | 14.4                             | 18.2  | 1              | 1                                  | 1    | 23.8                             | 63                           | GEF          | BEF |
| 1.5SMCJ13A                         | 1.5SMCJ13CA  | 13                             | 14.4                             | 16.5  | 1              | 1                                  | 1    | 21.5                             | 69.7                         | GEG          | BEG |
| 1.5SMCJ14                          | 1.5SMCJ14C   | 14                             | 15.6                             | 19.8  | 1              | 1                                  | 1    | 25.8                             | 58.1                         | GEH          | BEH |
| 1.5SMCJ14A                         | 1.5SMCJ14CA  | 14                             | 15.6                             | 17.9  | 1              | 1                                  | 1    | 23.2                             | 64.7                         | GEK          | BEK |
| 1.5SMCJ15                          | 1.5SMCJ15C   | 15                             | 16.7                             | 21.1  | 1              | 1                                  | 1    | 26.9                             | 55.8                         | GEL          | BEL |
| 1.5SMCJ15A                         | 1.5SMCJ15CA  | 15                             | 16.7                             | 19.2  | 1              | 1                                  | 1    | 24.4                             | 61.5                         | GEM          | BEM |
| 1.5SMCJ16                          | 1.5SMCJ16C   | 16                             | 17.8                             | 22.6  | 1              | 1                                  | 1    | 28.8                             | 52.1                         | GEN          | BEN |
| 1.5SMCJ16A                         | 1.5SMCJ16CA  | 16                             | 17.8                             | 20.5  | 1              | 1                                  | 1    | 26                               | 57.7                         | GEP          | BEP |
| 1.5SMCJ17                          | 1.5SMCJ17C   | 17                             | 18.9                             | 23.9  | 1              | 1                                  | 1    | 30.5                             | 49.2                         | GEQ          | BEQ |
| 1.5SMCJ17A                         | 1.5SMCJ17CA  | 17                             | 18.9                             | 21.7  | 1              | 1                                  | 1    | 27.6                             | 53.3                         | GER          | BER |
| 1.5SMCJ18                          | 1.5SMCJ18C   | 18                             | 20                               | 25.3  | 1              | 1                                  | 1    | 32.2                             | 46.6                         | GES          | BES |
| 1.5SMCJ18A                         | 1.5SMCJ18CA  | 18                             | 20                               | 23.3  | 1              | 1                                  | 1    | 29.2                             | 51.4                         | GET          | BET |
| 1.5SMCJ20                          | 1.5SMCJ20C   | 20                             | 22.2                             | 28.1  | 1              | 1                                  | 1    | 35.8                             | 41.9                         | GEU          | BEU |
| 1.5SMCJ20A                         | 1.5SMCJ20CA  | 20                             | 22.2                             | 25.5  | 1              | 1                                  | 1    | 32.4                             | 46.3                         | GEV          | BEV |
| 1.5SMCJ22                          | 1.5SMCJ22C   | 22                             | 24.4                             | 30.9  | 1              | 1                                  | 1    | 39.4                             | 38.1                         | GEW          | BEW |
| 1.5SMCJ22A                         | 1.5SMCJ22CA  | 22                             | 24.4                             | 28    | 1              | 1                                  | 1    | 35.5                             | 42.2                         | GEX          | BEX |
| 1.5SMCJ24                          | 1.5SMCJ24C   | 24                             | 26.7                             | 33.8  | 1              | 1                                  | 1    | 43                               | 34.9                         | GEY          | BEY |
| 1.5SMCJ24A                         | 1.5SMCJ24CA  | 24                             | 26.7                             | 30.7  | 1              | 1                                  | 1    | 38.9                             | 38.6                         | GEZ          | BEZ |
| 1.5SMCJ26                          | 1.5SMCJ26C   | 26                             | 28.9                             | 36.6  | 1              | 1                                  | 1    | 46.6                             | 32.2                         | GFD          | BFD |
| 1.5SMCJ26A                         | 1.5SMCJ26CA  | 26                             | 28.9                             | 33.2  | 1              | 1                                  | 1    | 42.1                             | 35.6                         | GFE          | BFE |
| 1.5SMCJ28                          | 1.5SMCJ28C   | 28                             | 31.1                             | 39.4  | 1              | 1                                  | 1    | 50                               | 30                           | GFF          | BFF |
| 1.5SMCJ28A                         | 1.5SMCJ28CA  | 28                             | 31.1                             | 35.8  | 1              | 1                                  | 1    | 45.4                             | 33                           | GFG          | BFG |
| 1.5SMCJ30                          | 1.5SMCJ30C   | 30                             | 33.3                             | 42.2  | 1              | 1                                  | 1    | 53.5                             | 28                           | GFH          | BFH |
| 1.5SMCJ30A                         | 1.5SMCJ30CA  | 30                             | 33.3                             | 38.3  | 1              | 1                                  | 1    | 48.4                             | 31                           | GFK          | BFK |
| 1.5SMCJ33                          | 1.5SMCJ33C   | 33                             | 36.7                             | 46.5  | 1              | 1                                  | 1    | 59                               | 25.2                         | GFL          | BFL |
| 1.5SMCJ33A                         | 1.5SMCJ33CA  | 33                             | 36.7                             | 42.2  | 1              | 1                                  | 1    | 53.3                             | 28.1                         | GFM          | BFM |
| 1.5SMCJ36                          | 1.5SMCJ36C   | 36                             | 40                               | 50.7  | 1              | 1                                  | 1    | 64.3                             | 23.3                         | GFN          | BFN |
| 1.5SMCJ36A                         | 1.5SMCJ36CA  | 36                             | 40                               | 46    | 1              | 1                                  | 1    | 58.1                             | 25.8                         | GFP          | BFP |
| 1.5SMCJ40                          | 1.5SMCJ40C   | 40                             | 44.4                             | 56.3  | 1              | 1                                  | 1    | 71.4                             | 21                           | GFQ          | BFQ |
| 1.5SMCJ40A                         | 1.5SMCJ40CA  | 40                             | 44.4                             | 51.1  | 1              | 1                                  | 1    | 64.5                             | 23.2                         | GFR          | BFR |

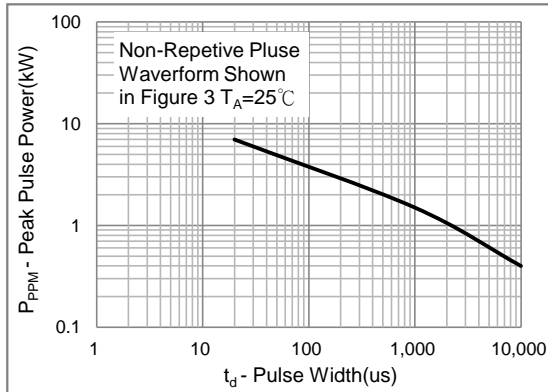


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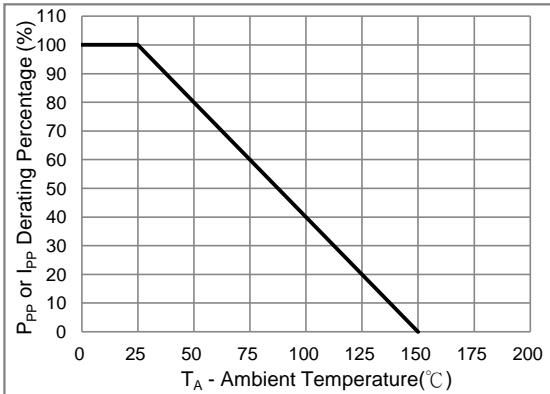
| Part Number                        |              | Reverse Stand-off Voltage  | Breakdown Voltage                |       | Test Current   | Reverse Leakage                   |    | Max. Clamp Voltage 10/1000µs     | Peak Pulse Current 10/1000µs | Marking Code |     |
|------------------------------------|--------------|----------------------------|----------------------------------|-------|----------------|-----------------------------------|----|----------------------------------|------------------------------|--------------|-----|
|                                    |              | V <sub>RWM</sub> (Notes 4) | V <sub>BR</sub> @ I <sub>T</sub> |       | I <sub>T</sub> | I <sub>R</sub> @ V <sub>RWM</sub> |    | V <sub>C</sub> @ I <sub>PP</sub> | I <sub>PP</sub>              |              |     |
|                                    |              |                            | Min.                             | Max.  |                | UNI                               | BI |                                  |                              |              |     |
| UNI                                | BI           | V                          | V                                | V     | mA             | µA                                | µA | V                                | A                            | UNI          | BI  |
| 1500W Transient Voltage Suppressor |              |                            |                                  |       |                |                                   |    |                                  |                              |              |     |
| 1.5SMCJ43                          | 1.5SMCJ43C   | 43                         | 47.8                             | 61    | 1              | 1                                 | 1  | 76.7                             | 19.6                         | GFS          | BFS |
| 1.5SMCJ43A                         | 1.5SMCJ43CA  | 43                         | 47.8                             | 55    | 1              | 1                                 | 1  | 69.4                             | 21.6                         | GFT          | BFT |
| 1.5SMCJ45                          | 1.5SMCJ45C   | 45                         | 50                               | 63    | 1              | 1                                 | 1  | 80.3                             | 18.7                         | GFU          | BFU |
| 1.5SMCJ45A                         | 1.5SMCJ45CA  | 45                         | 50                               | 57.5  | 1              | 1                                 | 1  | 72.7                             | 20.6                         | GFV          | BFV |
| 1.5SMCJ48                          | 1.5SMCJ48C   | 48                         | 53.3                             | 67.5  | 1              | 1                                 | 1  | 85.5                             | 17.5                         | GFW          | BFW |
| 1.5SMCJ48A                         | 1.5SMCJ48CA  | 48                         | 53.3                             | 61.3  | 1              | 1                                 | 1  | 77.4                             | 19.4                         | GFX          | BFX |
| 1.5SMCJ51                          | 1.5SMCJ51C   | 51                         | 56.7                             | 71.8  | 1              | 1                                 | 1  | 91.1                             | 18.5                         | GFY          | BFY |
| 1.5SMCJ51A                         | 1.5SMCJ51CA  | 51                         | 56.7                             | 65.2  | 1              | 1                                 | 1  | 82.4                             | 18.2                         | GFZ          | BFZ |
| 1.5SMCJ54                          | 1.5SMCJ54C   | 54                         | 60                               | 76    | 1              | 1                                 | 1  | 96.3                             | 15.6                         | GGD          | BGD |
| 1.5SMCJ54A                         | 1.5SMCJ54CA  | 54                         | 60                               | 69    | 1              | 1                                 | 1  | 87.1                             | 17.2                         | GGE          | BGE |
| 1.5SMCJ58                          | 1.5SMCJ58C   | 58                         | 64.4                             | 81.6  | 1              | 1                                 | 1  | 103                              | 14.6                         | GGF          | BGF |
| 1.5SMCJ58A                         | 1.5SMCJ58CA  | 58                         | 64.4                             | 74.1  | 1              | 1                                 | 1  | 93.6                             | 16                           | GGG          | BGG |
| 1.5SMCJ60                          | 1.5SMCJ60C   | 60                         | 66.7                             | 84.5  | 1              | 1                                 | 1  | 107                              | 14                           | GGH          | BGH |
| 1.5SMCJ60A                         | 1.5SMCJ60CA  | 60                         | 66.7                             | 76.7  | 1              | 1                                 | 1  | 96.8                             | 15.5                         | GGK          | BGK |
| 1.5SMCJ64                          | 1.5SMCJ64C   | 64                         | 71.1                             | 90.1  | 1              | 1                                 | 1  | 114                              | 13.2                         | GGL          | BGL |
| 1.5SMCJ64A                         | 1.5SMCJ64CA  | 64                         | 71.1                             | 81.8  | 1              | 1                                 | 1  | 103                              | 14.6                         | GGM          | BGM |
| 1.5SMCJ70                          | 1.5SMCJ70C   | 70                         | 77.8                             | 98.6  | 1              | 1                                 | 1  | 125                              | 12                           | GGN          | BGN |
| 1.5SMCJ70A                         | 1.5SMCJ70CA  | 70                         | 77.8                             | 89.5  | 1              | 1                                 | 1  | 113                              | 13.3                         | GGP          | BGP |
| 1.5SMCJ75                          | 1.5SMCJ75C   | 75                         | 83.3                             | 105.7 | 1              | 1                                 | 1  | 134                              | 11.2                         | GGQ          | BGQ |
| 1.5SMCJ75A                         | 1.5SMCJ75CA  | 75                         | 83.3                             | 95.8  | 1              | 1                                 | 1  | 121                              | 12.4                         | GGR          | BGR |
| 1.5SMCJ78                          | 1.5SMCJ78C   | 78                         | 86.7                             | 109.8 | 1              | 1                                 | 1  | 139                              | 10.8                         | GGS          | BGS |
| 1.5SMCJ78A                         | 1.5SMCJ78CA  | 78                         | 86.7                             | 99.7  | 1              | 1                                 | 1  | 126                              | 11.4                         | GGT          | BGT |
| 1.5SMCJ85                          | 1.5SMCJ85C   | 85                         | 94.4                             | 119.2 | 1              | 1                                 | 1  | 151                              | 9.9                          | GGU          | BGU |
| 1.5SMCJ85A                         | 1.5SMCJ85CA  | 85                         | 94.4                             | 108.2 | 1              | 1                                 | 1  | 137                              | 10.4                         | GGV          | BGV |
| 1.5SMCJ90                          | 1.5SMCJ90C   | 90                         | 100                              | 126.5 | 1              | 1                                 | 1  | 160                              | 9.4                          | GGW          | BGW |
| 1.5SMCJ90A                         | 1.5SMCJ90CA  | 90                         | 100                              | 115.5 | 1              | 1                                 | 1  | 146                              | 10.3                         | GGX          | BGX |
| 1.5SMCJ100                         | 1.5SMCJ100C  | 100                        | 111                              | 141   | 1              | 1                                 | 1  | 179                              | 8.4                          | GGY          | BGY |
| 1.5SMCJ100A                        | 1.5SMCJ100CA | 100                        | 111                              | 128   | 1              | 1                                 | 1  | 162                              | 9.3                          | GGZ          | BGZ |
| 1.5SMCJ110                         | 1.5SMCJ110C  | 110                        | 122                              | 154.5 | 1              | 1                                 | 1  | 196                              | 7.7                          | GHD          | BHD |
| 1.5SMCJ110A                        | 1.5SMCJ110CA | 110                        | 122                              | 140.5 | 1              | 1                                 | 1  | 177                              | 8.4                          | GHE          | BHE |
| 1.5SMCJ120                         | 1.5SMCJ120C  | 120                        | 133                              | 169   | 1              | 1                                 | 1  | 214                              | 7                            | GHF          | BHF |
| 1.5SMCJ120A                        | 1.5SMCJ120CA | 120                        | 133                              | 153   | 1              | 1                                 | 1  | 193                              | 7.9                          | GHG          | BHG |
| 1.5SMCJ130                         | 1.5SMCJ130C  | 130                        | 144                              | 182.5 | 1              | 1                                 | 1  | 231                              | 6.5                          | GHH          | BHH |
| 1.5SMCJ130A                        | 1.5SMCJ130CA | 130                        | 144                              | 165.5 | 1              | 1                                 | 1  | 209                              | 7.2                          | GHK          | BHK |
| 1.5SMCJ150                         | 1.5SMCJ150C  | 150                        | 167                              | 211.5 | 1              | 1                                 | 1  | 268                              | 5.6                          | GHL          | BHL |
| 1.5SMCJ150A                        | 1.5SMCJ150CA | 150                        | 167                              | 192.5 | 1              | 1                                 | 1  | 243                              | 6.2                          | GHM          | BHM |
| 1.5SMCJ160                         | 1.5SMCJ160C  | 160                        | 178                              | 226   | 1              | 1                                 | 1  | 287                              | 5.2                          | GHN          | BHN |
| 1.5SMCJ160A                        | 1.5SMCJ160CA | 160                        | 178                              | 205   | 1              | 1                                 | 1  | 259                              | 5.8                          | GHP          | BHP |
| 1.5SMCJ170                         | 1.5SMCJ170C  | 170                        | 189                              | 239.5 | 1              | 1                                 | 1  | 304                              | 4.9                          | GHQ          | BHQ |
| 1.5SMCJ170A                        | 1.5SMCJ170CA | 170                        | 189                              | 217.5 | 1              | 1                                 | 1  | 275                              | 5.5                          | GHR          | BHR |
| 1.5SMCJ180                         | 1.5SMCJ180C  | 180                        | 198                              | 253.8 | 1              | 1                                 | 1  | 322                              | 4.7                          | GHS          | BHS |
| 1.5SMCJ180A                        | 1.5SMCJ180CA | 180                        | 198                              | 230.4 | 1              | 1                                 | 1  | 292                              | 5.1                          | GHT          | BHT |
| 1.5SMCJ190                         | 1.5SMCJ190C  | 190                        | 209                              | 267.9 | 1              | 1                                 | 1  | 340                              | 4.4                          | GHU          | BHU |
| 1.5SMCJ190A                        | 1.5SMCJ190CA | 190                        | 209                              | 243.2 | 1              | 1                                 | 1  | 308                              | 4.8                          | GHV          | BHV |
| 1.5SMCJ200                         | 1.5SMCJ200C  | 200                        | 220                              | 282   | 1              | 1                                 | 1  | 358                              | 4.1                          | GHW          | BHW |
| 1.5SMCJ200A                        | 1.5SMCJ200CA | 200                        | 220                              | 256   | 1              | 1                                 | 1  | 324                              | 4.6                          | GHX          | BHX |
| 1.5SMCJ210                         | 1.5SMCJ210C  | 210                        | 231                              | 296.1 | 1              | 1                                 | 1  | 376                              | 4                            | GHY          | BHY |
| 1.5SMCJ210A                        | 1.5SMCJ210CA | 210                        | 231                              | 268.8 | 1              | 1                                 | 1  | 340                              | 4.4                          | GHZ          | BHZ |
| 1.5SMCJ220                         | 1.5SMCJ220C  | 220                        | 242                              | 310.2 | 1              | 1                                 | 1  | 394                              | 3.8                          | GID          | BID |
| 1.5SMCJ220A                        | 1.5SMCJ220CA | 220                        | 242                              | 281.6 | 1              | 1                                 | 1  | 356                              | 4.2                          | GIE          | BIE |



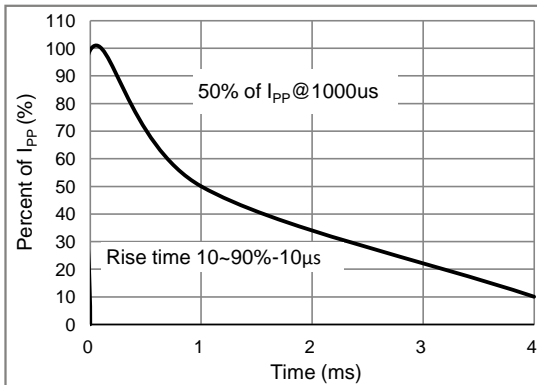
## 1.5SMCJ SERIES



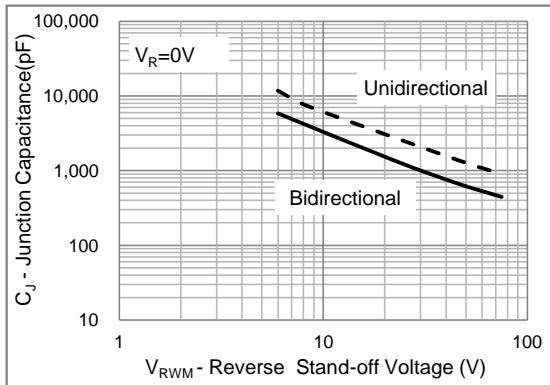
**Fig.1 Peak Pulse Power Rating Curve**



**Fig.2 Derating Curve**



**Fig.3 10/1000us Pulse Waveform**



**Fig.4 Typical Capacitance**

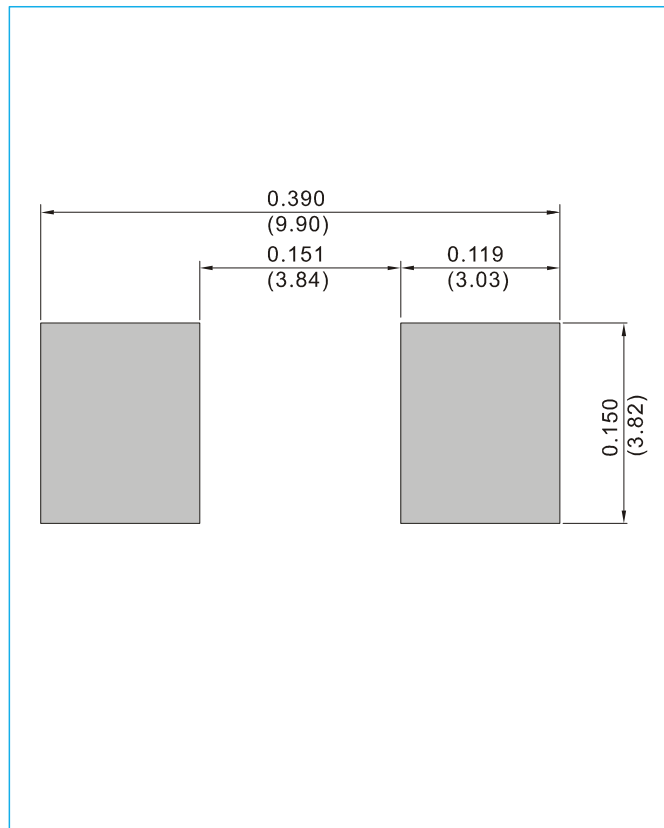


## 1.5SMCJ SERIES

### MOUNTING PAD LAYOUT

**SMC / DO-214AB**

Unit : inch(mm)



### ORDER INFORMATION

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



## 1.5SMCJ SERIES

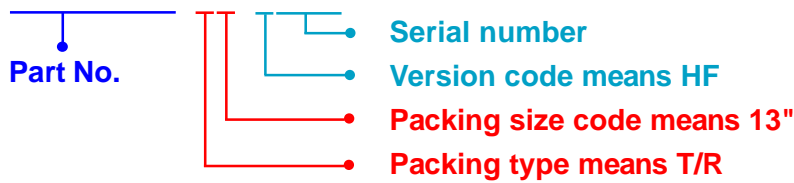
### Part No\_packing code\_Version

1.5SMCJ5.0\_R1\_00001

1.5SMCJ5.0\_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                    |                           |                      |                                       |



## 1.5SMCJ SERIES

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