



# SMCJ5.0A(CA) - SMCJ440A(CA)

## SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR DIODE

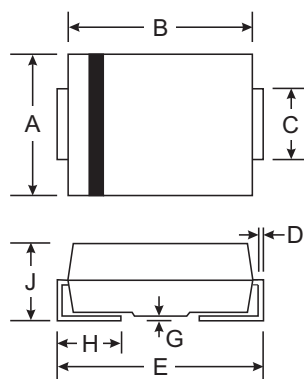
**VOLTAGE RANGE: 5.0 - 440 V**  
**POWER: 1500Watts**

### Features

- Glass Passivated Die Construction
- Uni- and Bi-Directional Versions Available
- Excellent Clamping Capability
- Fast Response Time
- Plastic Case Material has UL Flammability Classification Rating 94V-O

### Mechanical Data

- Case: SMC/DO-214AB, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.21 grams (approx.)



| SMC/DO-214AB         |      |      |
|----------------------|------|------|
| Dim                  | Min  | Max  |
| A                    | 5.59 | 6.22 |
| B                    | 6.60 | 7.11 |
| C                    | 2.75 | 3.18 |
| D                    | 0.15 | 0.31 |
| E                    | 7.75 | 8.13 |
| G                    | 0.10 | 0.20 |
| H                    | 0.76 | 1.52 |
| J                    | 2.00 | 2.62 |
| All Dimensions in mm |      |      |

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

| Characteristic                                                                                                         | Symbol      | Value       | Unit             |
|------------------------------------------------------------------------------------------------------------------------|-------------|-------------|------------------|
| Peak Pulse Power Dissipation<br>(Non repetitive current pulse derated above $T_A = 25^\circ\text{C}$ ) (Note 1)        | $P_{PK}$    | 1500        | W                |
| Peak Forward Surge Current, 8.3ms Single Half Sine Wave<br>Superimposed on Rated Load (JEDEC Method) (Notes 1, 2, & 3) | $I_{FSM}$   | 200         | A                |
| Steady State Power Dissipation @ $T_L = 75^\circ\text{C}$                                                              | $PM_{(AV)}$ | 5.0         | W                |
| Instantaneous Forward Voltage @ $I_{PP} = 100\text{A}$<br>(Notes 1 & 3)                                                | $V_F$       | See Note 5  | V                |
| Operating Temperature Range                                                                                            | $T_j$       | -55 to +150 | $^\circ\text{C}$ |
| Storage Temperature Range                                                                                              | $T_{STG}$   | -55 to +175 | $^\circ\text{C}$ |

NOTES:1. Non-repetitive current pulse ,per Fig. 3 and derated above  $T_A=25^\circ\text{C}$  per Fig. 1.

2. Thermal Resistance junction to Lead.

3. 8.3ms single half-wave duty cycle=4 pulses per minutes maximum (uni-directional units only).



| TYPE     |           | Marking |      | Reverse Stand-Off Voltage | Breakdown Voltage Min. @I <sub>T</sub> | Breakdown Voltage Max. @ I <sub>T</sub> | Test Current        | Maximum Clamping Voltage @I <sub>PP</sub> | Peak Pulse Current  | Reverse Leakage @V <sub>RWM</sub> |
|----------|-----------|---------|------|---------------------------|----------------------------------------|-----------------------------------------|---------------------|-------------------------------------------|---------------------|-----------------------------------|
| (Uni)    | (Bi)      | (Uni)   | (Bi) | V <sub>RWM</sub> (V)      | V <sub>BR MIN</sub> (V)                | V <sub>BR MAX</sub> (V)                 | I <sub>T</sub> (mA) | V <sub>C</sub> (V)                        | I <sub>PP</sub> (A) | I <sub>R</sub> (uA)               |
| SMCJ5.0  | SMCJ5.0C  | GDD     | BDD  | 5.0                       | 6.40                                   | 7.55                                    | 10.0                | 9.6                                       | 156.3               | 800.0                             |
| SMCJ5.0A | SMCJ5.0CA | GDE     | BDE  | 5.0                       | 6.40                                   | 7.25                                    | 10.0                | 9.2                                       | 163.0               | 800.0                             |
| SMCJ6.0  | SMCJ6.0C  | GDF     | BDF  | 6.0                       | 6.67                                   | 8.45                                    | 10.0                | 11.4                                      | 131.6               | 800.0                             |
| SMCJ6.0A | SMCJ6.0CA | GDG     | BDG  | 6.0                       | 6.67                                   | 7.67                                    | 10.0                | 10.3                                      | 145.6               | 800.0                             |
| SMCJ6.5  | SMCJ6.5C  | GDH     | BDH  | 6.5                       | 7.22                                   | 9.14                                    | 10.0                | 12.3                                      | 122.0               | 500.0                             |
| SMCJ6.5A | SMCJ6.5CA | GDK     | BDK  | 6.5                       | 7.22                                   | 8.30                                    | 10.0                | 11.2                                      | 133.9               | 500.0                             |
| SMCJ7.0  | SMCJ7.0C  | GDL     | BDL  | 7.0                       | 7.78                                   | 9.86                                    | 10.0                | 13.3                                      | 112.8               | 200.0                             |
| SMCJ7.0A | SMCJ7.0CA | GDM     | BDM  | 7.0                       | 7.78                                   | 8.95                                    | 10.0                | 12.0                                      | 125.0               | 200.0                             |
| SMCJ7.5  | SMCJ7.5C  | GDN     | BDN  | 7.5                       | 8.33                                   | 10.67                                   | 1.0                 | 14.3                                      | 104.9               | 100.0                             |
| SMCJ7.5A | SMCJ7.5CA | GDP     | BDP  | 7.5                       | 8.33                                   | 9.58                                    | 1.0                 | 12.9                                      | 116.3               | 100.0                             |
| SMCJ8.0  | SMCJ8.0C  | GDQ     | BDQ  | 8.0                       | 8.89                                   | 11.3                                    | 1.0                 | 15.0                                      | 100.0               | 50.0                              |
| SMCJ8.0A | SMCJ8.0CA | GDR     | BDR  | 8.0                       | 8.89                                   | 10.23                                   | 1.0                 | 13.6                                      | 110.3               | 50.0                              |
| SMCJ8.5  | SMCJ8.5C  | GDS     | BDS  | 8.5                       | 9.44                                   | 11.92                                   | 1.0                 | 15.9                                      | 94.3                | 20.0                              |
| SMCJ8.5A | SMCJ8.5CA | GDT     | BDT  | 8.5                       | 9.44                                   | 10.82                                   | 1.0                 | 14.4                                      | 104.2               | 20.0                              |
| SMCJ9.0  | SMCJ9.0C  | GDU     | BDU  | 9.0                       | 10.0                                   | 12.6                                    | 1.0                 | 16.9                                      | 88.8                | 10.0                              |
| SMCJ9.0A | SMCJ9.0CA | GDV     | BDV  | 9.0                       | 10.0                                   | 11.5                                    | 1.0                 | 15.4                                      | 97.4                | 10.0                              |
| SMCJ10   | SMCJ10C   | GDW     | BDW  | 10                        | 11.1                                   | 14.1                                    | 1.0                 | 18.8                                      | 79.8                | 5.0                               |
| SMCJ10A  | SMCJ10CA  | GDX     | BDX  | 10                        | 11.1                                   | 12.8                                    | 1.0                 | 17.0                                      | 88.2                | 5.0                               |
| SMCJ11   | SMCJ11C   | GDY     | BDY  | 11                        | 12.2                                   | 15.4                                    | 1.0                 | 20.1                                      | 74.6                | 5.0                               |
| SMCJ11A  | SMCJ11CA  | GDZ     | BDZ  | 11                        | 12.2                                   | 14.0                                    | 1.0                 | 18.2                                      | 82.4                | 5.0                               |
| SMCJ12   | SMCJ12C   | GED     | BED  | 12                        | 13.3                                   | 16.9                                    | 1.0                 | 22.0                                      | 68.2                | 5.0                               |
| SMCJ12A  | SMCJ12CA  | GEE     | BEE  | 12                        | 13.3                                   | 15.3                                    | 1.0                 | 19.9                                      | 75.4                | 5.0                               |
| SMCJ13   | SMCJ13C   | GEF     | BEF  | 13                        | 14.4                                   | 18.2                                    | 1.0                 | 23.8                                      | 63.0                | 5.0                               |
| SMCJ13A  | SMCJ13CA  | GEG     | BEG  | 13                        | 14.4                                   | 16.5                                    | 1.0                 | 21.5                                      | 69.8                | 5.0                               |
| SMCJ14   | SMCJ14C   | GEH     | BEH  | 14                        | 15.6                                   | 19.8                                    | 1.0                 | 25.8                                      | 58.1                | 5.0                               |
| SMCJ14A  | SMCJ14CA  | GEK     | BEK  | 14                        | 15.6                                   | 17.9                                    | 1.0                 | 23.2                                      | 64.7                | 5.0                               |
| SMCJ15   | SMCJ15C   | GEL     | BEL  | 15                        | 16.7                                   | 21.1                                    | 1.0                 | 26.9                                      | 55.8                | 5.0                               |
| SMCJ15A  | SMCJ15CA  | GEM     | BEM  | 15                        | 16.7                                   | 19.2                                    | 1.0                 | 24.4                                      | 61.5                | 5.0                               |
| SMCJ16   | SMCJ16C   | GEN     | BEN  | 16                        | 17.8                                   | 22.6                                    | 1.0                 | 28.8                                      | 52.1                | 5.0                               |
| SMCJ16A  | SMCJ16CA  | GEP     | BEP  | 16                        | 17.8                                   | 20.5                                    | 1.0                 | 26.0                                      | 57.7                | 5.0                               |
| SMCJ17   | SMCJ17C   | GEQ     | BEQ  | 17                        | 18.9                                   | 23.9                                    | 1.0                 | 30.5                                      | 49.2                | 5.0                               |
| SMCJ17A  | SMCJ17CA  | GER     | BER  | 17                        | 18.9                                   | 21.7                                    | 1.0                 | 27.6                                      | 54.3                | 5.0                               |
| SMCJ18   | SMCJ18C   | GES     | BES  | 18                        | 20.0                                   | 25.3                                    | 1.0                 | 32.2                                      | 46.6                | 5.0                               |
| SMCJ18A  | SMCJ18CA  | GET     | BET  | 18                        | 20.0                                   | 23.3                                    | 1.0                 | 29.2                                      | 51.4                | 5.0                               |
| SMCJ20   | SMCJ20C   | GEU     | BEU  | 20                        | 22.2                                   | 28.1                                    | 1.0                 | 35.8                                      | 41.9                | 5.0                               |
| SMCJ20A  | SMCJ20CA  | GEV     | BEV  | 20                        | 22.2                                   | 25.5                                    | 1.0                 | 32.4                                      | 46.3                | 5.0                               |
| SMCJ22   | SMCJ22C   | GEW     | BEW  | 22                        | 24.4                                   | 30.9                                    | 1.0                 | 39.4                                      | 38.1                | 5.0                               |
| SMCJ22A  | SMCJ22CA  | GEX     | BEX  | 22                        | 24.4                                   | 28.0                                    | 1.0                 | 35.5                                      | 42.3                | 5.0                               |
| SMCJ24   | SMCJ24C   | GEY     | BEY  | 24                        | 26.7                                   | 33.8                                    | 1.0                 | 43.0                                      | 34.9                | 5.0                               |
| SMCJ24A  | SMCJ24CA  | GEZ     | BEZ  | 24                        | 26.7                                   | 30.7                                    | 1.0                 | 38.9                                      | 38.6                | 5.0                               |



| TYPE     |           | Marking |      | Reverse Stand-Off Voltage | Breakdown Voltage Min. @I <sub>T</sub> | Breakdown Voltage Max. @ I <sub>T</sub> | Test Current        | Maximum Clamping Voltage @I <sub>PP</sub> | Peak Pulse Current  | Reverse Leakage @V <sub>RWM</sub> |
|----------|-----------|---------|------|---------------------------|----------------------------------------|-----------------------------------------|---------------------|-------------------------------------------|---------------------|-----------------------------------|
| (Uni)    | (Bi)      | (Uni)   | (Bi) | V <sub>RWM</sub> (V)      | V <sub>BR</sub> MIN(V)                 | V <sub>BR</sub> MAX(V)                  | I <sub>T</sub> (mA) | V <sub>C</sub> (V)                        | I <sub>PP</sub> (A) | I <sub>R</sub> (uA)               |
| SMCJ26   | SMCJ26C   | GFD     | BFD  | 26                        | 28.9                                   | 36.6                                    | 1.0                 | 46.6                                      | 32.2                | 5.0                               |
| SMCJ26A  | SMCJ26CA  | GFE     | BFE  | 26                        | 28.9                                   | 33.2                                    | 1.0                 | 42.1                                      | 35.6                | 5.0                               |
| SMCJ28   | SMCJ28C   | GFF     | BFF  | 28                        | 31.1                                   | 39.4                                    | 1.0                 | 50.0                                      | 30.0                | 5.0                               |
| SMCJ28A  | SMCJ28CA  | GFG     | BFG  | 28                        | 31.1                                   | 35.8                                    | 1.0                 | 45.4                                      | 33.0                | 5.0                               |
| SMCJ30   | SMCJ30C   | GFH     | BFH  | 30                        | 33.3                                   | 42.2                                    | 1.0                 | 53.5                                      | 28.0                | 5.0                               |
| SMCJ30A  | SMCJ30CA  | GFK     | BFK  | 30                        | 33.3                                   | 38.3                                    | 1.0                 | 48.4                                      | 31.0                | 5.0                               |
| SMCJ33   | SMCJ33C   | GFL     | BFL  | 33                        | 36.7                                   | 46.5                                    | 1.0                 | 59.0                                      | 25.4                | 5.0                               |
| SMCJ33A  | SMCJ33CA  | GFM     | BFM  | 33                        | 36.7                                   | 42.2                                    | 1.0                 | 53.3                                      | 28.1                | 5.0                               |
| SMCJ36   | SMCJ36C   | GFN     | BFN  | 36                        | 40.0                                   | 50.7                                    | 1.0                 | 64.3                                      | 23.3                | 5.0                               |
| SMCJ36A  | SMCJ36CA  | GFP     | BFP  | 36                        | 40.0                                   | 46.0                                    | 1.0                 | 58.1                                      | 25.8                | 5.0                               |
| SMCJ40   | SMCJ40C   | GFQ     | BFQ  | 40                        | 44.4                                   | 56.3                                    | 1.0                 | 71.4                                      | 21.0                | 5.0                               |
| SMCJ40A  | SMCJ40CA  | GFR     | BFR  | 40                        | 44.4                                   | 51.1                                    | 1.0                 | 64.5                                      | 23.3                | 5.0                               |
| SMCJ43   | SMCJ43C   | GFS     | BFS  | 43                        | 47.8                                   | 60.5                                    | 1.0                 | 76.7                                      | 19.6                | 5.0                               |
| SMCJ43A  | SMCJ43CA  | GFT     | BFT  | 43                        | 47.8                                   | 54.9                                    | 1.0                 | 69.4                                      | 21.6                | 5.0                               |
| SMCJ45   | SMCJ45C   | GFU     | BFU  | 45                        | 50.0                                   | 63.3                                    | 1.0                 | 80.3                                      | 18.7                | 5.0                               |
| SMCJ45A  | SMCJ45CA  | GFV     | BFV  | 45                        | 50.0                                   | 57.5                                    | 1.0                 | 72.7                                      | 20.6                | 5.0                               |
| SMCJ48   | SMCJ48C   | GJS     | BJS  | 48                        | 53.3                                   | 67.5                                    | 1.0                 | 85.5                                      | 17.5                | 5.0                               |
| SMCJ48A  | SMCJ48CA  | GJT     | BJT  | 48                        | 53.3                                   | 61.3                                    | 1.0                 | 77.4                                      | 19.4                | 5.0                               |
| SMCJ51   | SMCJ51C   | GJU     | BJU  | 51                        | 56.7                                   | 71.8                                    | 1.0                 | 91.1                                      | 16.5                | 5.0                               |
| SMCJ51A  | SMCJ51CA  | GJV     | BJV  | 51                        | 56.7                                   | 65.2                                    | 1.0                 | 82.4                                      | 18.2                | 5.0                               |
| SMCJ54   | SMCJ54C   | GFW     | BFW  | 54                        | 60.0                                   | 76.0                                    | 1.0                 | 96.3                                      | 15.6                | 5.0                               |
| SMCJ54A  | SMCJ54CA  | GFX     | BFX  | 54                        | 60.0                                   | 69.0                                    | 1.0                 | 87.1                                      | 17.2                | 5.0                               |
| SMCJ58   | SMCJ58C   | GFY     | BFY  | 58                        | 64.4                                   | 81.6                                    | 1.0                 | 103                                       | 14.6                | 5.0                               |
| SMCJ58A  | SMCJ58CA  | GFZ     | BFZ  | 58                        | 64.4                                   | 74.1                                    | 1.0                 | 93.6                                      | 16.0                | 5.0                               |
| SMCJ60   | SMCJ60C   | GGD     | BGD  | 60                        | 66.7                                   | 84.5                                    | 1.0                 | 107                                       | 14.0                | 5.0                               |
| SMCJ60A  | SMCJ60CA  | GGE     | BGE  | 60                        | 66.7                                   | 76.7                                    | 1.0                 | 96.8                                      | 15.5                | 5.0                               |
| SMCJ64   | SMCJ64C   | GGF     | BGF  | 64                        | 71.1                                   | 90.1                                    | 1.0                 | 114                                       | 13.2                | 5.0                               |
| SMCJ64A  | SMCJ64CA  | GGG     | BGG  | 64                        | 71.1                                   | 81.8                                    | 1.0                 | 103                                       | 14.6                | 5.0                               |
| SMCJ70   | SMCJ70C   | GGH     | BGH  | 70                        | 77.8                                   | 98.6                                    | 1.0                 | 125                                       | 12.0                | 5.0                               |
| SMCJ70A  | SMCJ70CA  | GGK     | BGK  | 70                        | 77.8                                   | 89.5                                    | 1.0                 | 113                                       | 13.3                | 5.0                               |
| SMCJ75   | SMCJ75C   | GGL     | BGL  | 75                        | 83.0                                   | 105.7                                   | 1.0                 | 134                                       | 11.2                | 5.0                               |
| SMCJ75A  | SMCJ75CA  | GGM     | BGM  | 75                        | 83.0                                   | 95.8                                    | 1.0                 | 121                                       | 12.4                | 5.0                               |
| SMCJ78   | SMCJ78C   | GGN     | BGN  | 78                        | 86.0                                   | 109.8                                   | 1.0                 | 139                                       | 10.8                | 5.0                               |
| SMCJ78A  | SMCJ78CA  | GGP     | BGP  | 78                        | 86.0                                   | 99.7                                    | 1.0                 | 126                                       | 11.9                | 5.0                               |
| SMCJ85   | SMCJ85C   | GGQ     | BGQ  | 85                        | 94.0                                   | 119.2                                   | 1.0                 | 151                                       | 9.9                 | 5.0                               |
| SMCJ85A  | SMCJ85CA  | GGR     | BGR  | 85                        | 94.0                                   | 108.2                                   | 1.0                 | 137                                       | 10.9                | 5.0                               |
| SMCJ90   | SMCJ90C   | GGS     | BGS  | 90                        | 100                                    | 126.5                                   | 1.0                 | 160                                       | 9.4                 | 5.0                               |
| SMCJ90A  | SMCJ90CA  | GGT     | BGT  | 90                        | 100                                    | 115.5                                   | 1.0                 | 146                                       | 10.3                | 5.0                               |
| SMCJ100  | SMCJ100C  | GGU     | BGU  | 100                       | 111                                    | 141.0                                   | 1.0                 | 179                                       | 8.4                 | 5.0                               |
| SMCJ100A | SMCJ100CA | GGV     | BGV  | 100                       | 111                                    | 128.0                                   | 1.0                 | 162                                       | 9.3                 | 5.0                               |
| SMCJ110  | SMCJ110C  | GGW     | BGW  | 10                        | 122                                    | 154.5                                   | 1.0                 | 196                                       | 7.7                 | 5.0                               |
| SMCJ110A | SMCJ110CA | GGX     | BGX  | 110                       | 122                                    | 140.5                                   | 1.0                 | 177                                       | 8.5                 | 5.0                               |



| TYPE     |           | Marking |      | Reverse Stand-Off Voltage | Breakdown Voltage Min. @I <sub>T</sub> | Breakdown Voltage Max. @ I <sub>T</sub> | Test Current        | Maximum Clamping Voltage @I <sub>PP</sub> | Peak Pulse Current  | Reverse Leakage @V <sub>RWM</sub> |
|----------|-----------|---------|------|---------------------------|----------------------------------------|-----------------------------------------|---------------------|-------------------------------------------|---------------------|-----------------------------------|
| (Uni)    | (Bi)      | (Uni)   | (Bi) | V <sub>RWM</sub> (V)      | V <sub>BR MIN</sub> (V)                | V <sub>BR MAX</sub> (V)                 | I <sub>T</sub> (mA) | V <sub>C</sub> (V)                        | I <sub>PP</sub> (A) | I <sub>R</sub> (uA)               |
| SMCJ120  | SMCJ120C  | GGY     | BGY  | 120                       | 133                                    | 169.0                                   | 1.0                 | 214                                       | 7.0                 | 5.0                               |
| SMCJ120A | SMCJ120CA | GGZ     | BGZ  | 120                       | 133                                    | 153.0                                   | 1.0                 | 193                                       | 7.8                 | 5.0                               |
| SMCJ130  | SMCJ130C  | GHD     | BHD  | 130                       | 144                                    | 182.5                                   | 1.0                 | 231                                       | 6.5                 | 5.0                               |
| SMCJ130A | SMCJ130CA | GHE     | BHE  | 130                       | 144                                    | 165.5                                   | 1.0                 | 209                                       | 7.2                 | 5.0                               |
| SMCJ150  | SMCJ150C  | GHF     | BHF  | 150                       | 167                                    | 211.5                                   | 1.0                 | 268                                       | 5.6                 | 5.0                               |
| SMCJ150A | SMCJ150CA | GHG     | BHG  | 150                       | 167                                    | 192.5                                   | 1.0                 | 243                                       | 6.2                 | 5.0                               |
| SMCJ160  | SMCJ160C  | GHH     | BHH  | 160                       | 178                                    | 226.0                                   | 1.0                 | 287                                       | 5.2                 | 5.0                               |
| SMCJ160A | SMCJ160CA | GHK     | BHK  | 160                       | 178                                    | 205.0                                   | 1.0                 | 259                                       | 5.8                 | 5.0                               |
| SMCJ170  | SMCJ170C  | GHL     | BHL  | 170                       | 189                                    | 239.5                                   | 1.0                 | 304                                       | 4.9                 | 5.0                               |
| SMCJ170A | SMCJ170CA | GHM     | BHM  | 170                       | 189                                    | 217.5                                   | 1.0                 | 275                                       | 5.5                 | 5.0                               |
| SMCJ180  | SMCJ180C  | GHN     | BHN  | 180                       | 200                                    | 253.8                                   | 1.0                 | 321                                       | 4.7                 | 5.0                               |
| SMCJ180A | SMCJ180CA | GHP     | BHP  | 180                       | 200                                    | 230.4                                   | 1.0                 | 290                                       | 5.2                 | 5.0                               |
| SMCJ190  | SMCJ190C  | GHQ     | BHQ  | 190                       | 211                                    | 267.9                                   | 1.0                 | 339                                       | 4.4                 | 5.0                               |
| SMCJ190A | SMCJ190CA | GHR     | BHR  | 190                       | 211                                    | 243.2                                   | 1.0                 | 306                                       | 4.9                 | 5.0                               |
| SMCJ200  | SMCJ200C  | GHW     | BHW  | 200                       | 222                                    | 282.0                                   | 1.0                 | 356                                       | 4.2                 | 5.0                               |
| SMCJ200A | SMCJ200CA | GHX     | BHX  | 200                       | 222                                    | 256.0                                   | 1.0                 | 322                                       | 4.7                 | 5.0                               |
| SMCJ210  | SMCJ210C  | GHY     | BHY  | 210                       | 233                                    | 296.1                                   | 1.0                 | 375                                       | 4.0                 | 5.0                               |
| SMCJ210A | SMCJ210CA | GHZ     | BHZ  | 210                       | 233                                    | 268.8                                   | 1.0                 | 339                                       | 4.4                 | 5.0                               |
| SMCJ220  | SMCJ220C  | GJD     | BJD  | 220                       | 244                                    | 310.2                                   | 1.0                 | 392                                       | 3.8                 | 5.0                               |
| SMCJ220A | SMCJ220CA | GJE     | BJE  | 220                       | 244                                    | 281.6                                   | 1.0                 | 355                                       | 4.2                 | 5.0                               |
| SMCJ250  | SMCJ250C  | GJF     | BJF  | 250                       | 278                                    | 342.5                                   | 1.0                 | 447                                       | 3.4                 | 5.0                               |
| SMCJ250A | SMCJ250CA | GJG     | BJG  | 250                       | 278                                    | 309.0                                   | 1.0                 | 403                                       | 3.7                 | 5.0                               |
| SMCJ300  | SMCJ300C  | GJH     | BJH  | 300                       | 333                                    | 411.0                                   | 1.0                 | 535                                       | 2.8                 | 5.0                               |
| SMCJ300A | SMCJ300CA | GJK     | BJK  | 300                       | 333                                    | 371.0                                   | 1.0                 | 484                                       | 3.1                 | 5.0                               |
| SMCJ350  | SMCJ350C  | GJL     | BJL  | 350                       | 389                                    | 479.5                                   | 1.0                 | 624                                       | 2.4                 | 5.0                               |
| SMCJ350A | SMCJ350CA | GJM     | BJM  | 350                       | 389                                    | 432.0                                   | 1.0                 | 565                                       | 2.7                 | 5.0                               |
| SMCJ400  | SMCJ400C  | GJN     | BJN  | 400                       | 444                                    | 548.0                                   | 1.0                 | 687                                       | 2.2                 | 5.0                               |
| SMCJ400A | SMCJ400CA | GJP     | BJP  | 400                       | 444                                    | 494.0                                   | 1.0                 | 645                                       | 2.3                 | 5.0                               |
| SMCJ440  | SMCJ440C  | GJQ     | BJQ  | 440                       | 489                                    | 602.8                                   | 1.0                 | 786                                       | 1.9                 | 5.0                               |
| SMCJ440A | SMCJ440CA | GJR     | BJR  | 440                       | 489                                    | 543.0                                   | 1.0                 | 710                                       | 2.1                 | 5.0                               |



## Ratings and Characteristic Curves $T_A=25^\circ\text{C}$ unless otherwise noted

