



## SMCJ160CA TVS Diodes SOCAY SMCJ ESD Suppressors Surface Mount

Our Product Introduction

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: SMCJ160CA
- Minimum Order Quantity: 3000PCS
- Price: Negotiable
- Packaging Details: tape reel
- Delivery Time: 5-8 work days
- Supply Ability: 10000000pcs



### Product Specification

- Name: TVS Diodes
- SMCJ160CA Package Type: DO-214AB/SMC
- V<sub>rw</sub>: 160V
- V<sub>br@It</sub> (Min.): 178V
- V<sub>br@It</sub> (Max.): 197V
- Product It: 1mA
- V<sub>c@Ipp</sub>: 259V
- SMCJ160CA Storage Temperature Range: -55 To +150
- Highlight: SMCJ160CA TVS Diodes, SMCJ TVS Diodes, ESD Suppressors

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## Product Description

### SMCJ160CA TVS Diodes SCOAY SMCJ ESD Suppressors Surface Mount

**SMCJ160CA TVS Diodes DATASHEET: [SMCJ\\_v2107.1 .pdf](#)**

#### SMCJ160CA TVS Diode Illustration:

SMCJ160CA TVS Diode is used in Telecom, Computer, Industrial and Consumer electronic applications, is ideal for the protection of I/O interfaces,  $V_{CC}$  bus and other vulnerable circuits. The SMCJ160CA TVS Diode is designed specifically to protect sensitive electronic equipment from voltage transients induced by lightning and other transient voltage events.

#### SMCJ160CA TVS Diode Features:

TVS Diode is For surface mounted applications in order to optimize board space

SMCJ160CA has Low leakage

This TVS Diode is a Bidirectional unit

SMCJ160CA TVS Diode is Glass passivated junction

TVS Diode has Low inductance

SMCJ160CA TVS Diode has Excellent clamping capability

SMCJ160CA TVS Diode 's Peak power capability at  $10 \times 1000\mu s$  waveform Repetition rate (duty cycle):0.01% is 1500W

Its Fast response time: typically less than 1.0ps from 0 Volts to VBR min

SOCAY TVS Diode 's Typical IR less than 5 $\mu A$  above 12V.

High Temperature soldering: 260°C/40 seconds at terminals

SMCJ160CA TVS Diode 's Typical maximum temperature coefficient  $\Delta VBR = 0.1\% \times VBR@25^\circ C \times \Delta T$

Plastic package has Underwriters Laboratory Flammability 94V-0

Matte tin lead-free Plated

SMCJ160CA TVS Diode has Halogen free and RoHS compliant

Typical failure mode is short from over-specified voltage or current

Whisker test is conducted based on JEDEC JESD201A per its table 4a and 4c

IEC-61000-4-2 ESD 15kV(Air), 8kV (Contact)

SOCAY SMD TVS' ESD protection of data lines in accordance with IEC 61000-4-2 (IEC801-2)

EFT protection of data lines in accordance with IEC 61000-4-4 (IEC801-4)

| Product Part Number |           | SMCJ160CA TVS Marking |     | TVS Reverse Stand-Off Voltage VRWM (V) | TVS Breakdown Voltage VBR (V) @IT |            | TVS Test Current IT (mA) | TVS Maximum Clamping Voltage VC @IPP (V) | TVS Maximum Peak Pulse Current IPP (A) | SMD TVS Maximum Reverse Leakage IR @VRWM ( $\mu A$ ) |
|---------------------|-----------|-----------------------|-----|----------------------------------------|-----------------------------------|------------|--------------------------|------------------------------------------|----------------------------------------|------------------------------------------------------|
| Uni                 | Bi        | Uni                   | Bi  |                                        | MIN                               | MAX        |                          |                                          |                                        |                                                      |
| SMCJ160A            | SMCJ160CA | GHP                   | BHP | 160.0                                  | 178.0<br>0                        | 197.0<br>0 | 1                        | 259.0                                    | 5.79                                   | 5                                                    |

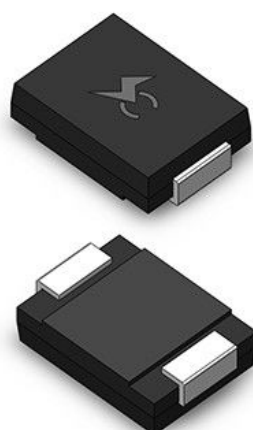
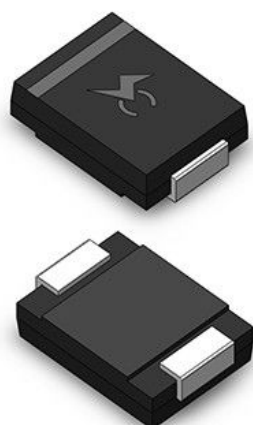
**Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)**

| Part Number |           | Marking |     | Reverse Stand-Off Voltage V <sub>RRM</sub> (V) | Breakdown Voltage V <sub>BR</sub> (V) @I <sub>r</sub> |       | Test Current I <sub>r</sub> (mA) | Maximum Clamping Voltage V <sub>C</sub> @I <sub>CC</sub> (V) | Maximum Peak Pulse Current I <sub>PP</sub> (A) | Maximum Reverse Leakage I <sub>s</sub> @V <sub>RRM</sub> (μA) |
|-------------|-----------|---------|-----|------------------------------------------------|-------------------------------------------------------|-------|----------------------------------|--------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------|
| Uni         | Bi        | Uni     | Bi  |                                                | MIN                                                   | MAX   |                                  |                                                              |                                                |                                                               |
| SMCJ5.0A    | SMCJ5.0CA | GDE     | BDE | 5.0                                            | 6.40                                                  | 7.00  | 10                               | 9.2                                                          | 163.04                                         | 1000                                                          |
| SMCJ6.0A    | SMCJ6.0CA | GDG     | BDG | 6.0                                            | 6.67                                                  | 7.37  | 10                               | 10.3                                                         | 145.63                                         | 1000                                                          |
| SMCJ6.5A    | SMCJ6.5CA | GDK     | BDK | 6.5                                            | 7.22                                                  | 7.98  | 10                               | 11.2                                                         | 133.93                                         | 500                                                           |
| SMCJ7.0A    | SMCJ7.0CA | GDM     | BDM | 7.0                                            | 7.78                                                  | 8.60  | 10                               | 12.0                                                         | 125.00                                         | 200                                                           |
| SMCJ7.5A    | SMCJ7.5CA | GDP     | BDP | 7.5                                            | 8.33                                                  | 9.21  | 1                                | 12.9                                                         | 116.28                                         | 100                                                           |
| SMCJ8.0A    | SMCJ8.0CA | GDR     | BDR | 8.0                                            | 8.89                                                  | 9.83  | 1                                | 13.6                                                         | 110.29                                         | 50                                                            |
| SMCJ8.5A    | SMCJ8.5CA | GDT     | BDT | 8.5                                            | 9.44                                                  | 10.40 | 1                                | 14.4                                                         | 104.17                                         | 20                                                            |
| SMCJ9.0A    | SMCJ9.0CA | GDV     | BDV | 9.0                                            | 10.00                                                 | 11.10 | 1                                | 15.4                                                         | 97.40                                          | 10                                                            |
| SMCJ10A     | SMCJ10CA  | GDX     | BDX | 10.0                                           | 11.10                                                 | 12.30 | 1                                | 17.0                                                         | 88.24                                          | 5                                                             |
| SMCJ11A     | SMCJ11CA  | GDZ     | BDZ | 11.0                                           | 12.20                                                 | 13.50 | 1                                | 18.2                                                         | 82.42                                          | 5                                                             |
| SMCJ12A     | SMCJ12CA  | GEE     | BEE | 12.0                                           | 13.30                                                 | 14.70 | 1                                | 19.9                                                         | 75.38                                          | 5                                                             |
| SMCJ13A     | SMCJ13CA  | GEG     | BEG | 13.0                                           | 14.40                                                 | 15.90 | 1                                | 21.5                                                         | 69.77                                          | 5                                                             |
| SMCJ14A     | SMCJ14CA  | GEK     | BEK | 14.0                                           | 15.60                                                 | 17.20 | 1                                | 23.2                                                         | 64.66                                          | 5                                                             |
| SMCJ15A     | SMCJ15CA  | GEM     | BEM | 15.0                                           | 16.70                                                 | 18.50 | 1                                | 24.4                                                         | 61.48                                          | 5                                                             |
| SMCJ16A     | SMCJ16CA  | GEP     | BEP | 16.0                                           | 17.80                                                 | 19.70 | 1                                | 26.0                                                         | 57.69                                          | 5                                                             |
| SMCJ17A     | SMCJ17CA  | GER     | BER | 17.0                                           | 18.90                                                 | 20.90 | 1                                | 27.6                                                         | 54.35                                          | 5                                                             |
| SMCJ18A     | SMCJ18CA  | GET     | BET | 18.0                                           | 20.00                                                 | 22.10 | 1                                | 29.2                                                         | 51.37                                          | 5                                                             |
| SMCJ19A     | SMCJ19CA  | GEB     | BEB | 19.0                                           | 21.10                                                 | 23.30 | 1                                | 30.8                                                         | 48.73                                          | 5                                                             |
| SMCJ20A     | SMCJ20CA  | GEV     | BEV | 20.0                                           | 22.20                                                 | 24.50 | 1                                | 32.4                                                         | 46.30                                          | 5                                                             |
| SMCJ22A     | SMCJ22CA  | GEX     | BEX | 22.0                                           | 24.40                                                 | 26.90 | 1                                | 35.5                                                         | 42.25                                          | 5                                                             |
| SMCJ24A     | SMCJ24CA  | GEZ     | BEZ | 24.0                                           | 26.70                                                 | 29.50 | 1                                | 38.9                                                         | 38.56                                          | 5                                                             |
| SMCJ26A     | SMCJ26CA  | GFE     | BFE | 26.0                                           | 28.90                                                 | 31.90 | 1                                | 42.1                                                         | 35.63                                          | 5                                                             |
| SMCJ28A     | SMCJ28CA  | GFG     | BFG | 28.0                                           | 31.10                                                 | 34.40 | 1                                | 45.4                                                         | 33.04                                          | 5                                                             |
| SMCJ30A     | SMCJ30CA  | GFK     | BFK | 30.0                                           | 33.30                                                 | 36.80 | 1                                | 48.4                                                         | 30.99                                          | 5                                                             |
| SMCJ33A     | SMCJ33CA  | GFM     | BFM | 33.0                                           | 36.70                                                 | 40.60 | 1                                | 53.3                                                         | 28.14                                          | 5                                                             |
| SMCJ36A     | SMCJ36CA  | GFP     | BFP | 36.0                                           | 40.00                                                 | 44.20 | 1                                | 58.1                                                         | 25.82                                          | 5                                                             |
| SMCJ40A     | SMCJ40CA  | GFR     | BFR | 40.0                                           | 44.40                                                 | 49.10 | 1                                | 64.5                                                         | 23.26                                          | 5                                                             |
| SMCJ43A     | SMCJ43CA  | GFT     | BFT | 43.0                                           | 47.80                                                 | 52.80 | 1                                | 69.4                                                         | 21.61                                          | 5                                                             |

| Part Number |           | Marking |      | Reverse Stand-Off Voltage V <sub>RRM</sub> (V) | Breakdown Voltage V <sub>BR</sub> (V) @I <sub>r</sub> |        | Test Current I <sub>r</sub> (mA) | Maximum Clamping Voltage V <sub>C</sub> @I <sub>CC</sub> (V) | Maximum Peak Pulse Current I <sub>PP</sub> (A) | Maximum Reverse Leakage I <sub>s</sub> @V <sub>RRM</sub> (μA) |
|-------------|-----------|---------|------|------------------------------------------------|-------------------------------------------------------|--------|----------------------------------|--------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------|
| Uni         | Bi        | Uni     | Bi   |                                                | MIN                                                   | MAX    |                                  |                                                              |                                                |                                                               |
| SMCJ45A     | SMCJ45CA  | GFV     | BFV  | 45.0                                           | 50.00                                                 | 55.30  | 1                                | 72.7                                                         | 20.63                                          | 5                                                             |
| SMCJ48A     | SMCJ48CA  | GFX     | BFX  | 48.0                                           | 53.30                                                 | 58.90  | 1                                | 77.4                                                         | 19.38                                          | 5                                                             |
| SMCJ51A     | SMCJ51CA  | GFZ     | BFZ  | 51.0                                           | 56.70                                                 | 62.70  | 1                                | 82.4                                                         | 18.20                                          | 5                                                             |
| SMCJ54A     | SMCJ54CA  | GGE     | BGE  | 54.0                                           | 60.00                                                 | 66.30  | 1                                | 87.1                                                         | 17.22                                          | 5                                                             |
| SMCJ58A     | SMCJ58CA  | GGG     | BGG  | 58.0                                           | 64.40                                                 | 71.20  | 1                                | 93.6                                                         | 16.03                                          | 5                                                             |
| SMCJ60A     | SMCJ60CA  | G GK    | B GK | 60.0                                           | 66.70                                                 | 73.70  | 1                                | 96.8                                                         | 15.50                                          | 5                                                             |
| SMCJ64A     | SMCJ64CA  | GGM     | BGM  | 64.0                                           | 71.10                                                 | 78.60  | 1                                | 103.0                                                        | 14.56                                          | 5                                                             |
| SMCJ70A     | SMCJ70CA  | G GP    | B GP | 70.0                                           | 77.80                                                 | 86.00  | 1                                | 113.0                                                        | 13.27                                          | 5                                                             |
| SMCJ75A     | SMCJ75CA  | GGR     | BGR  | 75.0                                           | 83.30                                                 | 92.10  | 1                                | 121.0                                                        | 12.40                                          | 5                                                             |
| SMCJ78A     | SMCJ78CA  | GGT     | BGT  | 78.0                                           | 86.70                                                 | 95.80  | 1                                | 126.0                                                        | 11.90                                          | 5                                                             |
| SMCJ80A     | SMCJ80CA  | GGB     | BGB  | 80.0                                           | 88.80                                                 | 97.60  | 1                                | 129.6                                                        | 11.57                                          | 5                                                             |
| SMCJ85A     | SMCJ85CA  | GGV     | BGV  | 85.0                                           | 94.40                                                 | 104.00 | 1                                | 137.0                                                        | 10.95                                          | 5                                                             |
| SMCJ90A     | SMCJ90CA  | GGX     | BGX  | 90.0                                           | 100.00                                                | 111.00 | 1                                | 146.0                                                        | 10.27                                          | 5                                                             |
| SMCJ100A    | SMCJ100CA | GGZ     | BGZ  | 100.0                                          | 111.00                                                | 123.00 | 1                                | 162.0                                                        | 9.26                                           | 5                                                             |
| SMCJ110A    | SMCJ110CA | GHE     | BHE  | 110.0                                          | 122.00                                                | 135.00 | 1                                | 177.0                                                        | 8.47                                           | 5                                                             |
| SMCJ120A    | SMCJ120CA | GHG     | BHG  | 120.0                                          | 133.00                                                | 147.00 | 1                                | 193.0                                                        | 7.77                                           | 5                                                             |
| SMCJ130A    | SMCJ130CA | G HK    | B HK | 130.0                                          | 144.00                                                | 159.00 | 1                                | 209.0                                                        | 7.18                                           | 5                                                             |
| SMCJ140A    | SMCJ140CA | G HB    | B HB | 140.0                                          | 155.00                                                | 171.00 | 1                                | 226.8                                                        | 6.61                                           | 5                                                             |
| SMCJ150A    | SMCJ150CA | G HM    | B HM | 150.0                                          | 167.00                                                | 185.00 | 1                                | 243.0                                                        | 6.17                                           | 5                                                             |
| SMCJ160A    | SMCJ160CA | G HP    | B HP | 160.0                                          | 178.00                                                | 197.00 | 1                                | 259.0                                                        | 5.79                                           | 5                                                             |
| SMCJ170A    | SMCJ170CA | G HR    | B HR | 170.0                                          | 189.00                                                | 209.00 | 1                                | 275.0                                                        | 5.45                                           | 5                                                             |
| SMCJ180A    | SMCJ180CA | G HT    | B HT | 180.0                                          | 201.00                                                | 220.00 | 1                                | 291.6                                                        | 5.14                                           | 5                                                             |
| SMCJ190A    | SMCJ190CA | G HV    | B HV | 190.0                                          | 211.00                                                | 232.00 | 1                                | 307.8                                                        | 4.87                                           | 5                                                             |
| SMCJ200A    | SMCJ200CA | G HW    | B HW | 200.0                                          | 224.00                                                | 247.00 | 1                                | 324.0                                                        | 4.60                                           | 5                                                             |
| SMCJ220A    | SMCJ220CA | G HX    | B HX | 220.0                                          | 246.00                                                | 272.00 | 1                                | 356.0                                                        | 4.20                                           | 5                                                             |
| SMCJ250A    | SMCJ250CA | G HZ    | B HZ | 250.0                                          | 279.00                                                | 309.00 | 1                                | 405.0                                                        | 3.70                                           | 5                                                             |
| SMCJ300A    | SMCJ300CA | G JE    | B JE | 300.0                                          | 335.00                                                | 371.00 | 1                                | 486.0                                                        | 3.10                                           | 5                                                             |
| SMCJ350A    | SMCJ350CA | G JG    | B JG | 350.0                                          | 391.00                                                | 432.00 | 1                                | 567.0                                                        | 2.60                                           | 5                                                             |
| SMCJ400A    | SMCJ400CA | G JK    | B JK | 400.0                                          | 447.00                                                | 494.00 | 1                                | 648.0                                                        | 2.30                                           | 5                                                             |
| SMCJ440A    | SMCJ440CA | G JM    | B JM | 440.0                                          | 492.00                                                | 543.00 | 1                                | 713.0                                                        | 2.10                                           | 5                                                             |

**Note:**

- Suffix 'A' denotes 5% tolerance device.
- Add suffix 'CA' after part number to specify Bi-Directional devices.
- For Bi-Directional devices having V<sub>BR</sub> of 10 volts and under, the I<sub>s</sub> limit is double.



## Description

The SMCJ series is designed specifically to protect sensitive electronic equipment from voltage transients induced by lightning and other transient voltage events.

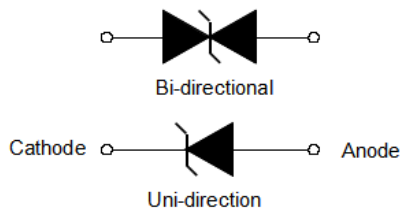
## Features

- ◆ For surface mounted applications in order to optimize board space
- ◆ Low leakage
- ◆ Uni and Bidirectional unit
- ◆ Glass passivated junction
- ◆ Low inductance
- ◆ Excellent clamping capability
- ◆ 1500W Peak power capability at  $10 \times 1000\mu\text{s}$  waveform Repetition rate (duty cycle):0.01%
- ◆ Fast response time: typically less than 1.0ps from 0 Volts to  $V_{BR}$  min
- ◆ Typical  $I_R$  less than 5 $\mu\text{A}$  above 12V.
- ◆ High Temperature soldering: 260°C/40 seconds at terminals
- ◆ Typical maximum temperature coefficient  $\Delta V_{BR} = 0.1\% \times V_{BR}@25^\circ\text{C} \times \Delta T$
- ◆ Plastic package has Underwriters Laboratory Flammability 94V-0
- ◆ Matte tin lead-free Plated
- ◆ Halogen free and RoHS compliant
- ◆ Typical failure mode is short from over-specified voltage or current
- ◆ Whisker test is conducted based on JEDEC JESD201A per its table 4a and 4c
- ◆ IEC-61000-4-2 ESD 15kV(Air), 8kV (Contact)
- ◆ ESD protection of data lines in accordance with IEC 61000-4-2 (IEC801-2)
- ◆ EFT protection of data lines in accordance with IEC 61000-4-4 (IEC801-4)

## Applications

TVS devices are ideal for the protection of I/O interfaces,  $V_{CC}$  bus and other vulnerable circuits used in Telecom, Computer, Industrial and Consumer electronic applications.

## Functional Diagram



## Maximum Ratings ( $T_A=25^\circ\text{C}$ unless otherwise noted)

| Parameter                                                                                    | Symbol         | Value          | Unit             |
|----------------------------------------------------------------------------------------------|----------------|----------------|------------------|
| Peak Pulse Power Dissipation with a 10/1000 $\mu\text{s}$ waveform (Fig.1)(Note 1), (Note 2) | $P_{PPM}$      | 1500           | Watts            |
| Peak Pulse Current with a 10/1000 $\mu\text{s}$ waveform (Note1, Fig.3)                      | $I_{PP}$       | See Next Table | Amps             |
| Power Dissipation on Infinite Heat Sink at $T_A=75^\circ\text{C}$                            | $P_{MAV}$      | 6.5            | Watt             |
| Peak Forward Surge Current, 8.3ms Single Half Sine Wave (Note 3)                             | $I_{FSM}$      | 200            | Amps             |
| Maximum Instantaneous Forward Voltage at 25A for Unidirectional Only (Note 4)                | $V_F$          | 3.5/5.0        | Voltage          |
| 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 5.0mmx 5.0mm (0.03mm thick) Copper Pads to each terminal.
3. 8.3ms single half sine-wave, or equivalent square wave, Duty cycle = 4 pulses per minutes maximum.
4.  $V_F < 3.5\text{V}$  for  $V_{BR} < 200\text{V}$  and  $V_F < 6.5\text{V}$  for  $V_{BR} > 201\text{V}$ .

Figure 1 - Peak Pulse Power Rating Curve

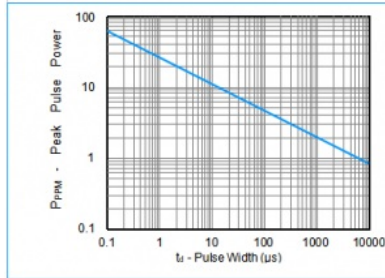


Figure 2 - Pulse Derating Curve

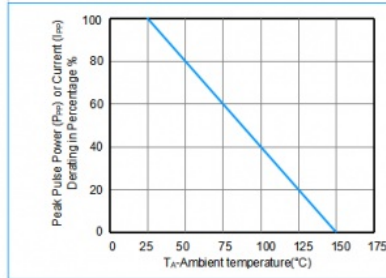


Figure 3 - Pulse Waveform

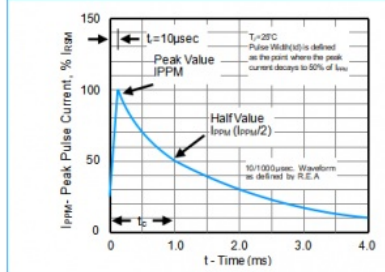


Figure 4 - Typical Junction Capacitance

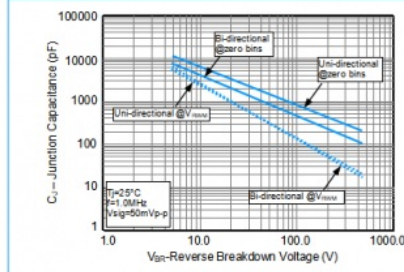


Figure 5 - Steady State Power Derating Curve

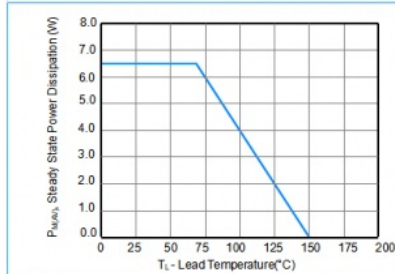
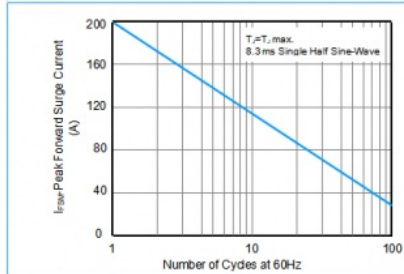
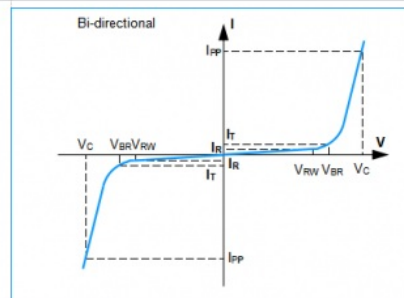
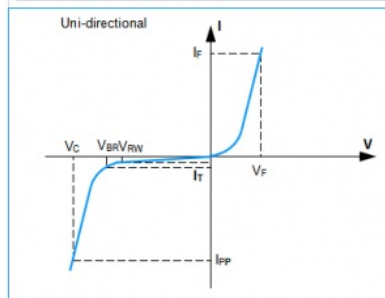


Figure 6 - Maximum Non-Repetitive Surge Current



## I-V Curve Characteristics



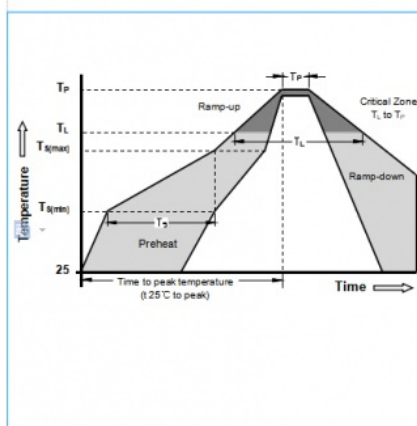
## Physical Specifications

|          |                                                              |
|----------|--------------------------------------------------------------|
| Weight   | 0.007 ounce, 0.21 gram                                       |
| Case     | JEDEC DO-214AB Molded Plastic over glass passivated junction |
| Polarity | Color band denotes cathode except Bipolar                    |
| Terminal | Matte Tin-plated leads, Solderable per JESD22-B102D          |

## Environmental Specifications

|                    |             |
|--------------------|-------------|
| Temperature Cycle  | JESD22-A104 |
| Pressure Cooker    | JESD22-A102 |
| High Temp. Storage | JESD22-A103 |
| HTRB               | JESD22-A108 |
| Thermal Shock      | JESD22-A106 |

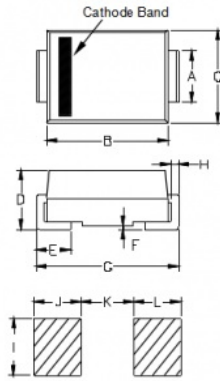
## Soldering Parameters



| Reflow Condition                                             |                                            | Lead-free assembly |
|--------------------------------------------------------------|--------------------------------------------|--------------------|
| Pre Heat                                                     | - Temperature Min (T <sub>S(min)</sub> )   | 150°C              |
|                                                              | - Temperature Max (T <sub>S(max)</sub> )   | 200°C              |
|                                                              | - Time (min to max) (T <sub>S</sub> )      | 60 - 180 Seconds   |
| Average ramp up rate (Liquidus Temp T <sub>L</sub> ) to peak |                                            | 3°C/second max     |
| T <sub>S(max)</sub> to T <sub>L</sub> - Ramp-up Rate         |                                            | 3°C/second max     |
| Reflow                                                       | - Temperature (T <sub>L</sub> ) (Liquidus) | 217°C              |
|                                                              | - Time (min to max) (T <sub>L</sub> )      | 60 - 150 Seconds   |
| Peak Temperature (T <sub>P</sub> )                           |                                            | 260 ±0/-5°C        |
| Time within 5°C of actual peak Temperature (t <sub>P</sub> ) |                                            | 20 - 40 Seconds    |
| Ramp-down Rate                                               |                                            | 6°C/second max     |
| Time 25°C to peak Temperature (T <sub>P</sub> )              |                                            | 8 minutes Max      |
| Do not exceed                                                |                                            | 280°C              |

## Dimensions

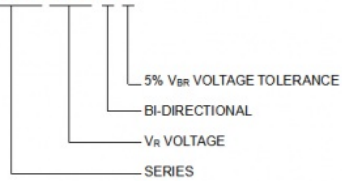
DO-214AB (SMC)



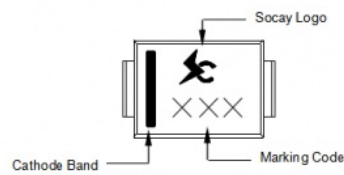
| Dimensions | Inches |       | Millimeters |       |
|------------|--------|-------|-------------|-------|
|            | Min    | Max   | Min         | Max   |
| A          | 0.108  | 0.126 | 2.750       | 3.200 |
| B          | 0.260  | 0.280 | 6.520       | 7.110 |
| C          | 0.217  | 0.244 | 5.520       | 6.220 |
| D          | 0.080  | 0.112 | 2.050       | 2.850 |
| E          | 0.030  | 0.060 | 0.750       | 1.520 |
| F          | -      | 0.008 | -           | 0.203 |
| G          | 0.305  | 0.320 | 7.640       | 8.130 |
| H          | 0.006  | 0.012 | 0.150       | 0.310 |
| I          | 0.121  | -     | 3.070       | -     |
| J          | 0.068  | -     | 1.715       | -     |
| K          | -      | 0.185 | -           | 4.690 |
| L          | 0.068  | -     | 1.715       | -     |

## Part Numbering

SMCJ\*\*\*CA



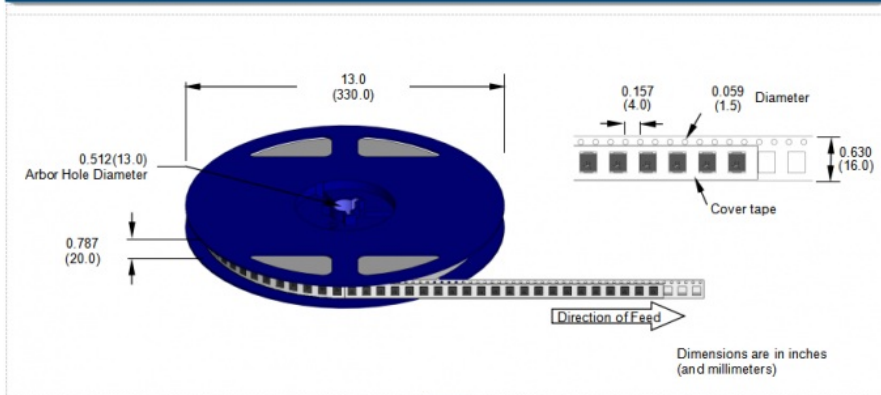
## Part Marking



## Packaging

| Part Number | Component Package | Reel (pcs) | Per Carton (pcs) | Packaging Option           | Reel Diameters (mm) |
|-------------|-------------------|------------|------------------|----------------------------|---------------------|
| SMCJXXXX    | DO-214AB (SMC)    | 3000       | 48000            | Tape & Reel - 20mm/13"tape | 330.0               |

## Tape and Reel Specifications



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