



Micro Commercial Components
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CA 91311
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SA5.0(C)(A) THRU SA170(C)(A)

Features

- Glass passivated chip
- Low leakage
- Uni and Bidirectional unit
- Excellent clamping capability
- the plastic material has U/L recognition 94V-0
- Fast response time

MECHANICAL DATA

Case: Molded Plastic

Marking: Unidirectional-type number and cathode band
Bidirectional-type number only

Weight: 0.4 grams

Maximum Ratings

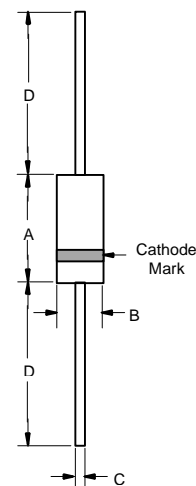
- Operating Temperature: -65°C to $+175^{\circ}\text{C}$
- Storage Temperature: -65°C to $+175^{\circ}\text{C}$
- For capacitive load, derate current by 20%

Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|--------------------------------|-------------|------|--------------------------|
| Peak Power Dissipation | P_{PK} | 500W | $T_A=25^{\circ}\text{C}$ |
| Peak Forward Surge Current | I_{FSM} | 70A | 8.3ms, half sine |
| Steady State Power Dissipation | $P_{M(AV)}$ | 1.0W | $T_J=75^{\circ}\text{C}$ |

**500WATTS TRANSIENT
VOLTAGE SUPPRESSOR
5.0 TO 170 VOLTS**

DO-15



| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|-------|-------|-------|------|
| | INCHES | | MM | | |
| | MIN | MAX | MIN | MAX | |
| A | 0.230 | 0.300 | 5.80 | 7.60 | |
| B | 0.104 | 0.140 | 2.60 | 3.60 | |
| C | 0.026 | 0.034 | 0.71 | 0.86 | |
| D | 1.000 | ----- | 25.40 | ----- | |

RATING AND CHARACTERISTIC CURVES SA5.0 THRU SA170CA

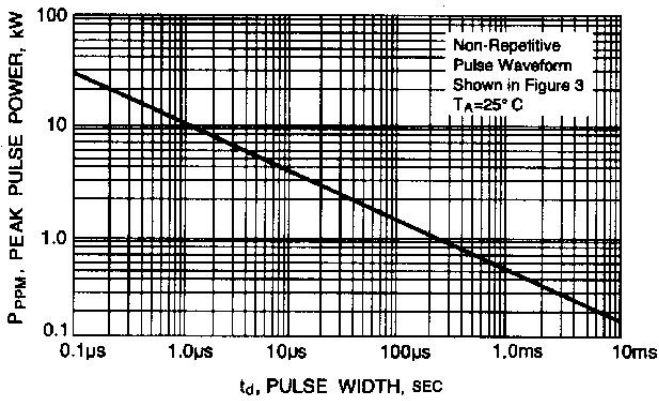


Fig. 1-PEAK PULSE POWER RATING CURVE

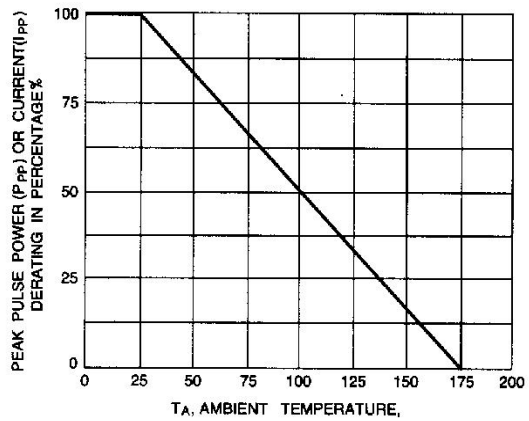


Fig. 2-PULSE DERATING CURVE

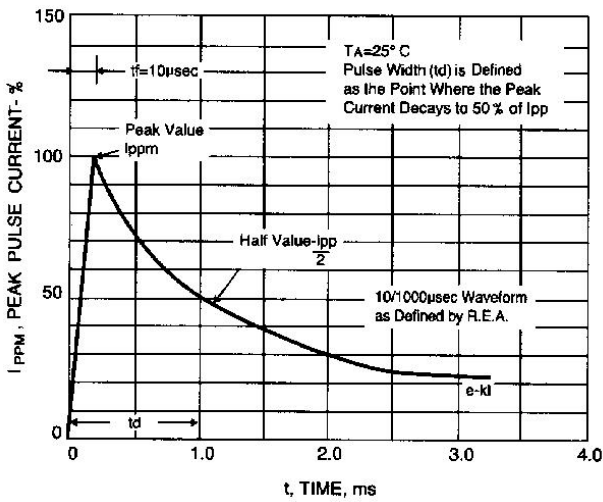


Fig. 3-PULSE WAVEFORM

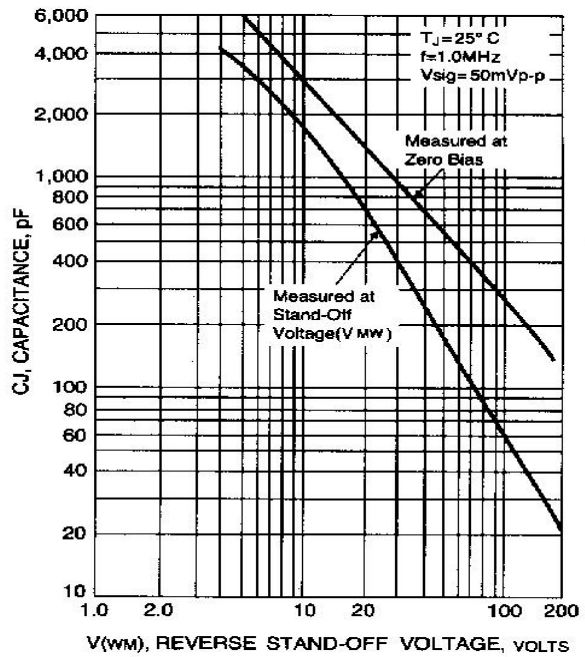


Fig. 4-TYPICAL JUNCTION CAPACITANCE

UNIDIRECTIONAL

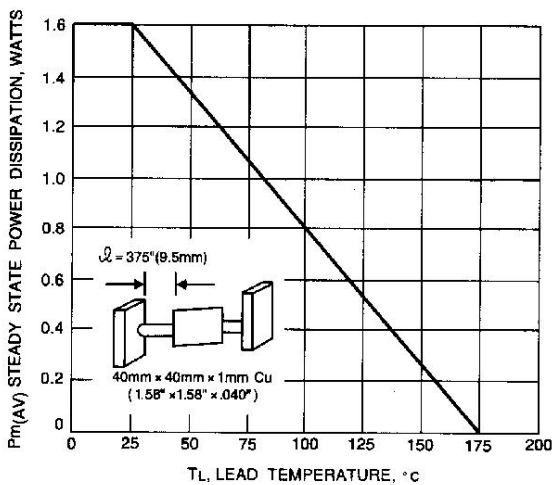


Fig. 5-STEADY STATE POWER DERATING CURVE

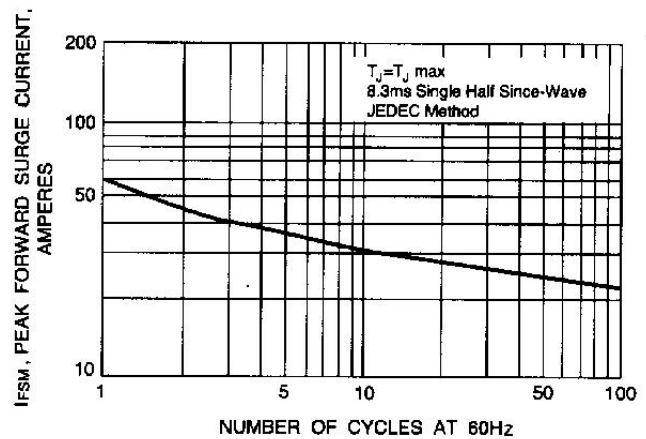


Fig. 6-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT UNIDIRECTIONAL ONLY

UNI-DIRECTIONAL 500 Watt Axial Lead TVS

| UNI-DIRECTIONAL PART NUMBER | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @Ipp VC (V) | PEAK PULSE CURRENT Ipp (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|-----------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| SA5.0 | 5.00 | 6.40 | 7.30 | 10 | 9.6 | 52.3 | 600 |
| SA5.0A | 5.00 | 6.40 | 7.00 | 10 | 9.2 | 54.3 | 600 |
| SA6.0 | 6.00 | 6.67 | 8.15 | 10 | 11.4 | 43.9 | 600 |
| SA6.0A | 6.00 | 6.67 | 7.37 | 10 | 10.3 | 48.5 | 600 |
| SA6.5 | 6.50 | 7.22 | 8.82 | 10 | 12.3 | 40.7 | 400 |
| SA6.5A | 6.50 | 7.22 | 7.98 | 10 | 11.2 | 44.7 | 400 |
| SA7.0 | 7.00 | 7.78 | 9.51 | 10 | 13.3 | 37.8 | 150 |
| SA7.0A | 7.00 | 7.78 | 8.60 | 10 | 12.0 | 41.7 | 150 |
| SA7.5 | 7.50 | 8.33 | 10.20 | 1 | 14.3 | 35.0 | 50 |
| SA7.5A | 7.50 | 8.33 | 9.21 | 1 | 12.9 | 38.8 | 50 |
| SA8.0 | 8.00 | 8.89 | 10.90 | 1 | 15.0 | 33.3 | 25 |
| SA8.0A | 8.00 | 8.89 | 9.83 | 1 | 13.6 | 36.7 | 25 |
| SA8.5 | 8.50 | 9.44 | 11.50 | 1 | 15.9 | 31.4 | 10 |
| SA8.5A | 8.50 | 9.44 | 10.40 | 1 | 14.4 | 34.7 | 10 |
| SA9.0 | 9.00 | 10.00 | 12.20 | 1 | 16.9 | 29.5 | 5 |
| SA9.0A | 9.00 | 10.00 | 11.10 | 1 | 15.4 | 32.5 | 5 |
| SA10 | 10.00 | 11.10 | 13.60 | 1 | 18.8 | 26.6 | 3 |
| SA10A | 10.00 | 11.10 | 12.30 | 1 | 17.0 | 29.4 | 3 |
| SA11 | 11.00 | 12.20 | 14.90 | 1 | 20.1 | 24.9 | 3 |
| SA11A | 11.00 | 12.20 | 13.50 | 1 | 18.2 | 27.4 | 3 |
| SA12 | 12.00 | 13.30 | 16.30 | 1 | 22.0 | 22.7 | 3 |
| SA12A | 12.00 | 13.30 | 14.70 | 1 | 19.9 | 25.1 | 3 |
| SA13 | 13.00 | 14.40 | 17.60 | 1 | 23.8 | 21.0 | 3 |
| SA13A | 13.00 | 14.40 | 15.90 | 1 | 21.5 | 23.2 | 3 |
| SA14 | 14.00 | 15.60 | 19.10 | 1 | 25.8 | 19.4 | 3 |
| SA14A | 14.00 | 15.60 | 17.20 | 1 | 23.2 | 21.5 | 3 |
| SA15 | 15.00 | 16.70 | 20.40 | 1 | 26.9 | 18.8 | 3 |
| SA15A | 16.00 | 16.70 | 18.50 | 1 | 24.4 | 20.6 | 3 |
| SA16 | 16.00 | 17.80 | 21.80 | 1 | 28.8 | 17.6 | 3 |
| SA16A | 16.00 | 17.80 | 19.70 | 1 | 26.0 | 19.2 | 3 |
| SA17 | 17.00 | 18.90 | 23.10 | 1 | 30.5 | 16.4 | 3 |
| SA17A | 17.00 | 18.90 | 20.90 | 1 | 27.6 | 16.1 | 3 |
| SA18 | 18.00 | 20.00 | 24.40 | 1 | 32.2 | 15.5 | 3 |
| SA18A | 18.00 | 20.00 | 22.10 | 1 | 29.2 | 17.2 | 3 |
| SA20 | 20.00 | 22.20 | 27.10 | 1 | 35.8 | 13.9 | 3 |
| SA20A | 20.00 | 22.20 | 24.50 | 1 | 32.4 | 15.4 | 3 |
| SA22 | 22.00 | 24.40 | 29.80 | 1 | 39.4 | 12.7 | 3 |
| SA22A | 22.00 | 24.40 | 26.90 | 1 | 35.5 | 14.1 | 3 |
| SA24 | 24.00 | 26.70 | 32.60 | 1 | 43.0 | 11.6 | 3 |
| SA24A | 24.00 | 26.70 | 29.50 | 1 | 38.9 | 12.8 | 3 |
| SA26 | 26.00 | 28.90 | 35.30 | 1 | 46.6 | 10.7 | 3 |
| SA26A | 26.00 | 28.90 | 31.90 | 1 | 42.1 | 11.9 | 3 |
| SA28 | 28.00 | 31.10 | 38.00 | 1 | 50.0 | 9.9 | 3 |
| SA28A | 28.00 | 31.10 | 34.40 | 1 | 45.4 | 11.0 | 3 |
| SA30 | 30.00 | 33.30 | 40.70 | 1 | 53.5 | 9.3 | 3 |
| SA30A | 30.00 | 33.30 | 36.80 | 1 | 48.4 | 10.3 | 3 |
| SA33 | 33.00 | 36.70 | 44.90 | 1 | 59.0 | 8.5 | 3 |
| SA33A | 33.00 | 36.70 | 40.60 | 1 | 53.3 | 9.4 | 3 |
| SA36 | 36.00 | 40.00 | 48.90 | 1 | 64.3 | 7.8 | 3 |
| SA36A | 36.00 | 40.00 | 44.20 | 1 | 58.1 | 8.6 | 3 |
| SA40 | 40.00 | 44.40 | 54.30 | 1 | 71.4 | 7.0 | 3 |
| SA40A | 40.00 | 44.40 | 49.10 | 1 | 64.5 | 7.8 | 3 |
| SA43 | 43.00 | 47.80 | 58.40 | 1 | 76.7 | 6.5 | 3 |
| SA43A | 43.00 | 47.80 | 52.80 | 1 | 69.4 | 7.2 | 3 |
| SA45 | 45.00 | 50.00 | 61.10 | 1 | 80.3 | 6.2 | 3 |
| SA45A | 45.00 | 50.00 | 55.30 | 1 | 72.7 | 6.9 | 3 |
| SA48 | 48.00 | 53.30 | 65.10 | 1 | 85.5 | 5.8 | 3 |
| SA48A | 48.00 | 53.30 | 58.90 | 1 | 77.4 | 6.5 | 3 |
| SA51 | 51.00 | 56.70 | 69.30 | 1 | 91.1 | 5.5 | 3 |
| SA51A | 51.00 | 56.70 | 62.70 | 1 | 82.4 | 6.1 | 3 |
| SA54 | 54.00 | 60.00 | 73.30 | 1 | 96.3 | 5.2 | 3 |
| SA54A | 54.00 | 60.00 | 66.30 | 1 | 87.1 | 5.7 | 3 |
| SA58 | 58.00 | 64.40 | 78.70 | 1 | 103.0 | 4.9 | 3 |
| SA58A | 58.00 | 64.40 | 71.20 | 1 | 93.6 | 5.3 | 3 |
| SA60 | 60.00 | 66.70 | 81.50 | 1 | 107.0 | 4.7 | 3 |
| SA60A | 60.00 | 66.70 | 73.70 | 1 | 96.8 | 5.2 | 3 |
| SA64 | 64.00 | 71.10 | 86.90 | 1 | 114.0 | 4.4 | 3 |
| SA64A | 64.00 | 71.10 | 78.60 | 1 | 103.0 | 4.9 | 3 |

UNI-DIRECTIONAL 500 Watt Axial Lead TVS

| UNI-DIRECTIONAL PART NUMBER | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @I _{PP} VC (V) | PEAK PULSE CURRENT I _{PP} (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|-----------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|--|-------------------------------|
| SA70 | 70.00 | 77.80 | 95.10 | 1 | 125.0 | 4.0 | 3 |
| SA70A | 70.00 | 77.80 | 86.00 | 1 | 113.0 | 4.4 | 3 |
| SA75 | 75.00 | 83.30 | 102.00 | 1 | 134.0 | 3.7 | 3 |
| SA75A | 75.00 | 83.30 | 92.10 | 1 | 121.0 | 4.1 | 3 |
| SA78 | 78.00 | 86.70 | 106.00 | 1 | 139.0 | 3.6 | 3 |
| SA78A | 78.00 | 86.70 | 95.80 | 1 | 126.0 | 4.0 | 3 |
| SA85 | 85.00 | 94.40 | 115.00 | 1 | 151.0 | 3.3 | 3 |
| SA85A | 85.00 | 94.40 | 104.00 | 1 | 137.0 | 3.6 | 3 |
| SA90 | 90.00 | 100.00 | 122.00 | 1 | 160.0 | 3.1 | 3 |
| SA90A | 90.00 | 100.00 | 111.00 | 1 | 146.0 | 3.4 | 3 |
| SA100 | 100.00 | 111.00 | 136.00 | 1 | 179.0 | 2.8 | 3 |
| SA100A | 100.00 | 111.00 | 123.00 | 1 | 162.0 | 3.1 | 3 |
| SA110 | 110.00 | 122.00 | 149.00 | 1 | 196.0 | 2.6 | 3 |
| SA110A | 110.00 | 122.00 | 135.00 | 1 | 177.0 | 2.8 | 3 |
| SA120 | 120.00 | 133.00 | 163.00 | 1 | 214.0 | 2.3 | 3 |
| SA120A | 120.00 | 133.00 | 147.00 | 1 | 193.0 | 2.0 | 3 |
| SA130 | 130.00 | 144.00 | 176.00 | 1 | 231.0 | 2.2 | 3 |
| SA130A | 130.00 | 144.00 | 159.00 | 1 | 209.0 | 2.4 | 3 |
| SA150 | 150.00 | 167.00 | 204.00 | 1 | 269.0 | 1.9 | 3 |
| SA150A | 150.00 | 167.00 | 185.00 | 1 | 243.0 | 2.1 | 3 |
| SA160 | 160.00 | 178.00 | 218.00 | 1 | 287.0 | 1.7 | 3 |
| SA160A | 160.00 | 178.00 | 197.00 | 1 | 259.0 | 1.9 | 3 |
| SA170 | 170.00 | 189.00 | 231.00 | 1 | 304.0 | 1.6 | 3 |
| SA170A | 170.00 | 189.00 | 209.00 | 1 | 275.0 | 1.8 | 3 |

BI-DIRECTIONAL 500 Watt Axial Lead TVS

| BI-DIRECTIONAL PART NUMBER | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @I _{PP} VC (V) | PEAK PULSE CURRENT I _{PP} (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|----------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|--|-------------------------------|
| SA5.0C | 5.00 | 6.40 | 7.30 | 10 | 9.6 | 52.3 | 1200 |
| SA5.0CA | 5.00 | 6.40 | 7.00 | 10 | 9.2 | 54.3 | 1200 |
| SA6.0C | 6.00 | 6.67 | 8.15 | 10 | 11.4 | 43.9 | 1200 |
| SA6.0CA | 6.00 | 6.67 | 7.37 | 10 | 10.3 | 48.5 | 1200 |
| SA6.5C | 6.50 | 7.22 | 8.82 | 10 | 12.3 | 40.7 | 800 |
| SA6.5CA | 6.50 | 7.22 | 7.98 | 10 | 11.2 | 44.7 | 800 |
| SA7.0C | 7.00 | 7.78 | 9.51 | 10 | 13.3 | 37.8 | 300 |
| SA7.0CA | 7.00 | 7.78 | 8.60 | 10 | 12.0 | 41.7 | 300 |
| SA7.5C | 7.50 | 8.33 | 10.20 | 1 | 14.3 | 35.0 | 100 |
| SA7.5CA | 7.50 | 8.33 | 9.21 | 1 | 12.9 | 38.8 | 100 |
| SA8.0C | 8.00 | 8.89 | 10.90 | 1 | 15.0 | 33.3 | 50 |
| SA8.0CA | 8.00 | 8.89 | 9.83 | 1 | 13.6 | 36.7 | 50 |
| SA8.5C | 8.50 | 9.44 | 11.50 | 1 | 15.9 | 31.4 | 20 |
| SA8.5CA | 8.50 | 9.44 | 10.40 | 1 | 14.4 | 34.7 | 20 |
| SA9.0C | 9.00 | 10.00 | 12.20 | 1 | 16.9 | 29.5 | 5 |
| SA9.0CA | 9.00 | 10.00 | 11.10 | 1 | 15.4 | 32.5 | 5 |
| SA10C | 10.00 | 11.10 | 13.60 | 1 | 18.8 | 26.6 | 3 |
| SA10CA | 10.00 | 11.10 | 12.30 | 1 | 17.0 | 29.4 | 3 |
| SA11C | 11.00 | 12.20 | 14.90 | 1 | 20.1 | 24.9 | 3 |
| SA11CA | 11.00 | 12.20 | 13.50 | 1 | 18.2 | 27.4 | 3 |
| SA12C | 12.00 | 13.30 | 16.30 | 1 | 22.0 | 22.7 | 3 |
| SA12CA | 12.00 | 13.30 | 14.70 | 1 | 19.9 | 25.1 | 3 |
| SA13C | 13.00 | 14.40 | 17.60 | 1 | 23.8 | 21.0 | 3 |
| SA13CA | 13.00 | 14.40 | 15.90 | 1 | 21.5 | 23.2 | 3 |
| SA14C | 14.00 | 15.60 | 19.10 | 1 | 25.8 | 19.4 | 3 |
| SA14CA | 14.00 | 15.60 | 17.20 | 1 | 23.2 | 21.5 | 3 |
| SA15C | 15.00 | 16.70 | 20.40 | 1 | 26.9 | 18.8 | 3 |
| SA15CA | 16.00 | 16.70 | 18.50 | 1 | 24.4 | 20.6 | 3 |
| SA16C | 16.00 | 17.80 | 21.80 | 1 | 28.8 | 17.6 | 3 |
| SA16CA | 16.00 | 17.80 | 19.70 | 1 | 26.0 | 19.2 | 3 |
| SA17C | 17.00 | 18.90 | 23.10 | 1 | 30.5 | 16.4 | 3 |
| SA17CA | 17.00 | 18.90 | 20.90 | 1 | 27.6 | 16.1 | 3 |
| SA18C | 18.00 | 20.00 | 24.40 | 1 | 32.2 | 15.5 | 3 |
| SA18CA | 18.00 | 20.00 | 22.10 | 1 | 29.2 | 17.2 | 3 |
| SA20C | 20.00 | 22.20 | 27.10 | 1 | 35.8 | 13.9 | 3 |
| SA20CA | 20.00 | 22.20 | 24.50 | 1 | 32.4 | 15.4 | 3 |
| SA22C | 22.00 | 24.40 | 29.80 | 1 | 39.4 | 12.7 | 3 |
| SA22CA | 22.00 | 24.40 | 26.90 | 1 | 35.5 | 14.1 | 3 |
| SA24C | 24.00 | 26.70 | 32.60 | 1 | 43.0 | 11.6 | 3 |
| SA24CA | 24.00 | 26.70 | 29.50 | 1 | 38.9 | 12.8 | 3 |
| SA26C | 26.00 | 28.90 | 35.30 | 1 | 46.6 | 10.7 | 3 |
| SA26CA | 26.00 | 28.90 | 31.90 | 1 | 42.1 | 11.9 | 3 |
| SA28C | 28.00 | 31.10 | 38.00 | 1 | 50.0 | 9.9 | 3 |
| SA28CA | 28.00 | 31.10 | 34.40 | 1 | 45.4 | 11.0 | 3 |
| SA30C | 30.00 | 33.30 | 40.70 | 1 | 53.5 | 9.3 | 3 |
| SA30CA | 30.00 | 33.30 | 36.80 | 1 | 48.4 | 10.3 | 3 |
| SA33C | 33.00 | 36.70 | 44.90 | 1 | 59.0 | 8.5 | 3 |
| SA33CA | 33.00 | 36.70 | 40.60 | 1 | 53.3 | 9.4 | 3 |
| SA36C | 36.00 | 40.00 | 48.90 | 1 | 64.3 | 7.8 | 3 |
| SA36CA | 36.00 | 40.00 | 44.20 | 1 | 58.1 | 8.6 | 3 |
| SA40C | 40.00 | 44.40 | 54.30 | 1 | 71.4 | 7.0 | 3 |
| SA40CA | 40.00 | 44.40 | 49.10 | 1 | 64.5 | 7.8 | 3 |
| SA43C | 43.00 | 47.80 | 58.40 | 1 | 76.7 | 6.5 | 3 |
| SA43CA | 43.00 | 47.80 | 52.80 | 1 | 69.4 | 7.2 | 3 |
| SA45C | 45.00 | 50.00 | 61.10 | 1 | 80.3 | 6.2 | 3 |
| SA45CA | 45.00 | 50.00 | 55.30 | 1 | 72.7 | 6.9 | 3 |
| SA48C | 48.00 | 53.30 | 65.10 | 1 | 85.5 | 5.8 | 3 |
| SA48CA | 48.00 | 53.30 | 58.90 | 1 | 77.4 | 6.5 | 3 |
| SA51C | 51.00 | 56.70 | 69.30 | 1 | 91.1 | 5.5 | 3 |
| SA51CA | 51.00 | 56.70 | 62.70 | 1 | 82.4 | 6.1 | 3 |
| SA54C | 54.00 | 60.00 | 73.30 | 1 | 96.3 | 5.2 | 3 |
| SA54CA | 54.00 | 60.00 | 66.30 | 1 | 87.1 | 5.7 | 3 |
| SA58C | 58.00 | 64.40 | 78.70 | 1 | 103.0 | 4.9 | 3 |
| SA58CA | 58.00 | 64.40 | 71.20 | 1 | 93.6 | 5.3 | 3 |
| SA60C | 60.00 | 66.70 | 81.50 | 1 | 107.0 | 4.7 | 3 |
| SA60CA | 60.00 | 66.70 | 73.70 | 1 | 96.8 | 5.2 | 3 |
| SA64C | 64.00 | 71.10 | 86.90 | 1 | 114.0 | 4.4 | 3 |
| SA64CA | 64.00 | 71.10 | 78.60 | 1 | 103.0 | 4.9 | 3 |

BI-DIRECTIONAL 500 Watt Axial Lead TVS

| BI-DIRECTIONAL PART NUMBER | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @I _{PP} VC (V) | PEAK PULSE CURRENT I _{PP} (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|----------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|--|-------------------------------|
| SA70C | 70.00 | 77.80 | 95.10 | 1 | 125.0 | 4.0 | 3 |
| SA70CA | 70.00 | 77.80 | 86.00 | 1 | 113.0 | 4.4 | 3 |
| SA75C | 75.00 | 83.30 | 102.00 | 1 | 134.0 | 3.7 | 3 |
| SA75CA | 75.00 | 83.30 | 92.10 | 1 | 121.0 | 4.1 | 3 |
| SA78C | 78.00 | 86.70 | 106.00 | 1 | 139.0 | 3.6 | 3 |
| SA78CA | 78.00 | 86.70 | 95.80 | 1 | 126.0 | 4.0 | 3 |
| SA85C | 85.00 | 94.40 | 115.00 | 1 | 151.0 | 3.3 | 3 |
| SA85CA | 85.00 | 94.40 | 104.00 | 1 | 137.0 | 3.6 | 3 |
| SA90C | 90.00 | 100.00 | 122.00 | 1 | 160.0 | 3.1 | 3 |
| SA90CA | 90.00 | 100.00 | 111.00 | 1 | 146.0 | 3.4 | 3 |
| SA100C | 100.00 | 111.00 | 136.00 | 1 | 179.0 | 2.8 | 3 |
| SA100CA | 100.00 | 111.00 | 123.00 | 1 | 162.0 | 3.1 | 3 |
| SA110C | 110.00 | 122.00 | 149.00 | 1 | 196.0 | 2.6 | 3 |
| SA110CA | 110.00 | 122.00 | 135.00 | 1 | 177.0 | 2.8 | 3 |
| SA120C | 120.00 | 133.00 | 163.00 | 1 | 214.0 | 2.3 | 3 |
| SA120CA | 120.00 | 133.00 | 147.00 | 1 | 193.0 | 2.0 | 3 |
| SA130C | 130.00 | 144.00 | 176.00 | 1 | 231.0 | 2.2 | 3 |
| SA130CA | 130.00 | 144.00 | 159.00 | 1 | 209.0 | 2.4 | 3 |
| SA150C | 150.00 | 167.00 | 204.00 | 1 | 269.0 | 1.9 | 3 |
| SA150CA | 150.00 | 167.00 | 185.00 | 1 | 243.0 | 2.1 | 3 |
| SA160C | 160.00 | 178.00 | 218.00 | 1 | 287.0 | 1.7 | 3 |
| SA160CA | 160.00 | 178.00 | 197.00 | 1 | 259.0 | 1.9 | 3 |
| SA170C | 170.00 | 189.00 | 231.00 | 1 | 304.0 | 1.6 | 3 |
| SA170CA | 170.00 | 189.00 | 209.00 | 1 | 275.0 | 1.8 | 3 |