

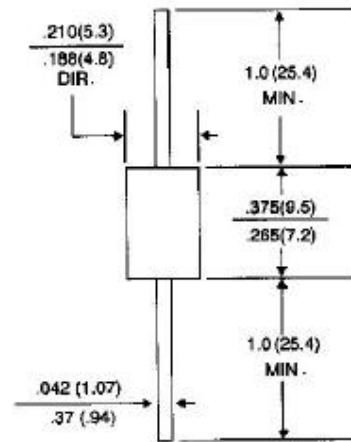
1.5KE SERIES

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSOR
VOLTAGE - 6.8 TO 440 Volts 1500 Watt Peak Power 5.0 Watt Steady State

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O
- Glass passivated chip junction in Molded Plastic package
- 1500W surge capability at 1ms
- Excellent clamping capability
- Low zener impedance
- Fast response time: typically less than 1.0 ps from 0 volts to BV min
- Typical I_R less than 1 A above 10V
- High temperature soldering guaranteed: 260 /10 seconds/.375", (9.5mm) lead length/5lbs., (2.3kg) tension

DO-201AE



Dimensions in inches and (millimeters)

MECHANICAL DATA

Case: JEDEC DO-201AE molded plastic
 Terminals: Axial leads, solderable per MIL-STD-202, Method 208
 Polarity: Color band denoted cathode except Bipolar
 Mounting Position: Any
 Weight: 0.045 ounce, 1.2 grams

DEVICES FOR BIPOLAR APPLICATIONS

For Bidirectional use C or CA Suffix for types 1.5KE6.8 thru types 1.5KE440.

Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25 ambient temperature unless otherwise specified.

| RATING | SYMBOL | VALUE | UNITS |
|---|----------------|--------------|-------|
| Peak Power Dissipation at $T_A=25$, $T_p=1ms$ (Note 1) | P_{PK} | Minimum 1500 | Watts |
| Steady State Power Dissipation at $T_L=75$ Lead Lengths .375", (9.5mm) (Note 2) | PD | 5.0 | Watts |
| Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Superimposed on Rated Load(JECED Method) (Note 3) | I_{FSM} | 200 | Amps |
| Operating and Storage Temperature Range | T_J, T_{STG} | -65 to +175 | |

NOTES:

Non-repetitive current pulse, per Fig. 3 and derated above $T_A=25$ per Fig. 2.

Mounted on Copper Leaf area of 0.79in^2 (20mm^2).

8.3ms single half sine-wave, duty cycle= 4 pulses per minutes maximum.

RATING AND CHARACTERISTIC CURVES

1.5KE SERIES

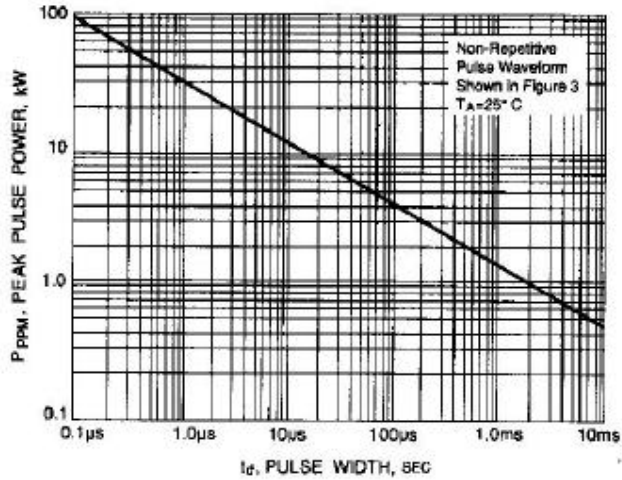


Fig. 1-PEAK PULSE POWER RATING CURVE

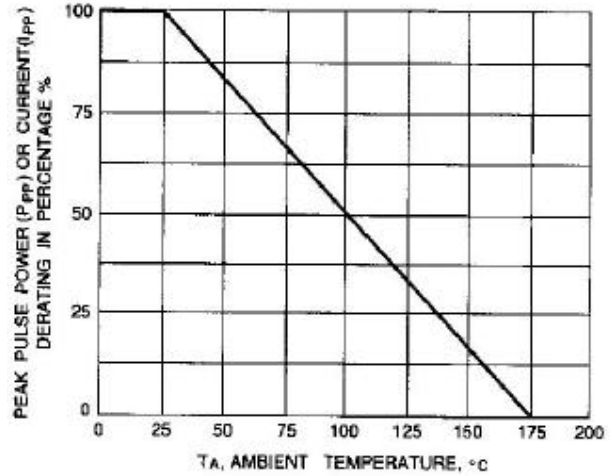


Fig. 2-PULSE DERATING CURVE

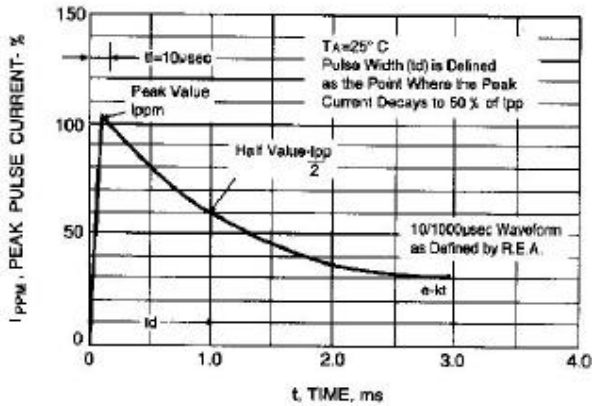


Fig. 3-PULSE WAVEFORM

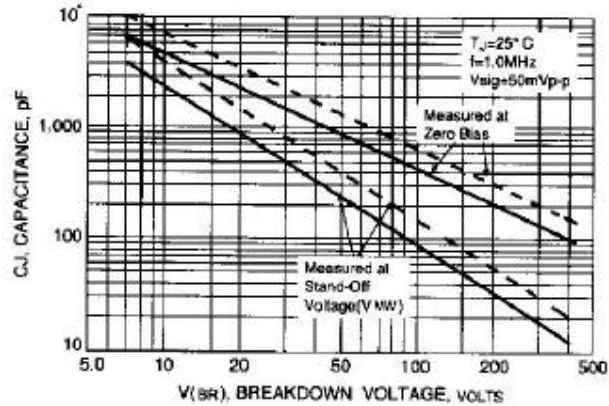


Fig. 4-TYPICAL JUNCTION CAPACITANCE

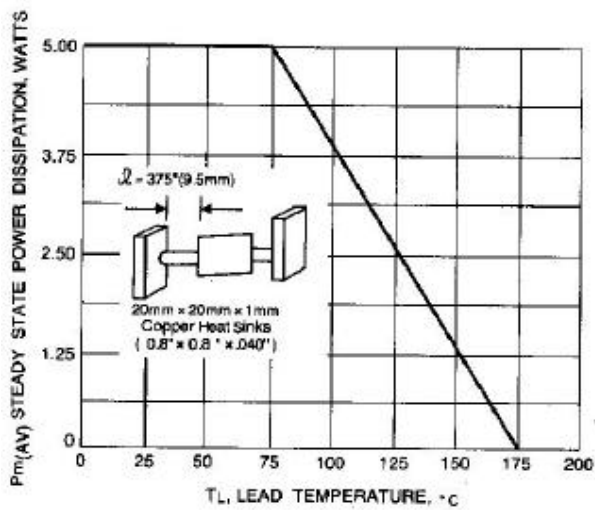


Fig. 5-STEADY STATE POWER DERATING CURVE

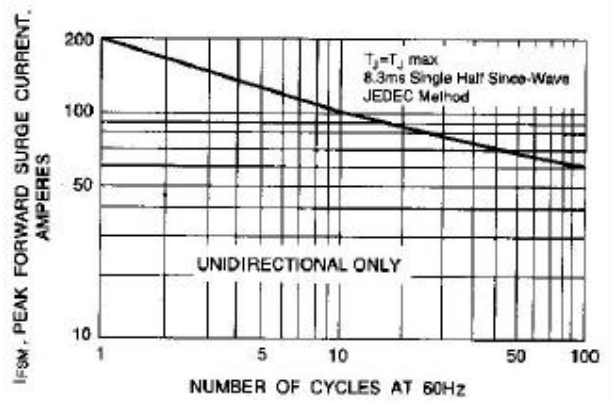


Fig. 6-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT UNIDIRECTIONAL

UNI-DIRECTIONAL 1500 Watt Axial Lead TVS

| UNI-DIRECTIONAL PART NUMBER | JEDEC 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) |
|-----------------------------|-------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|--|-------------------------------|
| 1.5KE6.8 | 1N6267 | 5.50 | 6.12 | 7.48 | 10 | 10.8 | 139.0 | 1000.0 |
| 1.5KE6.8A | 1N6267A | 5.80 | 6.45 | 7.14 | 10 | 10.5 | 143.0 | 1000.0 |
| 1.5KE7.5 | 1N6268 | 6.05 | 6.75 | 8.25 | 10 | 11.7 | 128.0 | 500.0 |
| 1.5KE7.5A | 1N6268A | 6.40 | 7.13 | 7.88 | 10 | 11.3 | 132.0 | 500.0 |
| 1.5KE8.2 | 1N6269 | 6.63 | 7.38 | 9.02 | 10 | 12.5 | 120.0 | 200.0 |
| 1.5KE8.2A | 1N6269A | 7.02 | 7.79 | 8.61 | 10 | 12.1 | 124.0 | 200.0 |
| 1.5KE9.1 | 1N6270 | 7.37 | 8.19 | 10.00 | 1 | 13.8 | 109.0 | 50.0 |
| 1.5KE9.1A | 1N6270A | 7.78 | 8.65 | 9.50 | 1 | 13.4 | 112.0 | 50.0 |
| 1.5KE10 | 1N6271 | 8.10 | 9.00 | 11.00 | 1 | 15.0 | 100.0 | 10.0 |
| 1.5KE10A | 1N6271A | 8.55 | 9.50 | 10.50 | 1 | 14.5 | 103.0 | 10.0 |
| 1.5KE11 | 1N6272 | 8.92 | 9.90 | 12.10 | 1 | 16.2 | 93.0 | 5.0 |
| 1.5KE11A | 1N6272A | 9.40 | 10.50 | 11.60 | 1 | 15.6 | 96.0 | 5.0 |
| 1.5KE12 | 1N6273 | 9.72 | 10.80 | 13.20 | 1 | 17.3 | 87.0 | 5.0 |
| 1.5KE12A | 1N6273A | 10.20 | 11.40 | 12.60 | 1 | 16.7 | 90.0 | 5.0 |
| 1.5KE13 | 1N6274 | 10.50 | 11.70 | 14.30 | 1 | 19.0 | 79.0 | 5.0 |
| 1.5KE13A | 1N6274A | 11.10 | 12.40 | 13.70 | 1 | 18.2 | 82.0 | 5.0 |
| 1.5KE15 | 1N6275 | 12.10 | 13.50 | 16.50 | 1 | 22.0 | 68.0 | 5.0 |
| 1.5KE15A | 1N6275A | 12.80 | 14.30 | 15.80 | 1 | 21.2 | 71.0 | 5.0 |
| 1.5KE16 | 1N6276 | 12.90 | 14.40 | 17.60 | 1 | 23.5 | 64.0 | 5.0 |
| 1.5KE16A | 1N6276A | 13.60 | 15.20 | 16.80 | 1 | 22.5 | 67.0 | 5.0 |
| 1.5KE18 | 1N6277 | 14.50 | 16.20 | 19.80 | 1 | 26.5 | 56.5 | 5.0 |
| 1.5KE18A | 1N6277A | 15.30 | 17.10 | 18.90 | 1 | 25.2 | 59.5 | 5.0 |
| 1.5KE20 | 1N6278 | 16.20 | 18.00 | 22.00 | 1 | 29.1 | 51.5 | 5.0 |
| 1.5KE20A | 1N6278A | 17.10 | 19.00 | 21.00 | 1 | 27.7 | 54.0 | 5.0 |
| 1.5KE22 | 1N6279 | 17.80 | 19.80 | 24.20 | 1 | 31.9 | 47.0 | 5.0 |
| 1.5KE22A | 1N6279A | 18.80 | 20.90 | 23.10 | 1 | 30.6 | 49.0 | 5.0 |
| 1.5KE24 | 1N6280 | 19.40 | 21.60 | 26.40 | 1 | 34.7 | 43.0 | 5.0 |
| 1.5KE24A | 1N6280A | 20.50 | 22.80 | 25.20 | 1 | 33.2 | 45.0 | 5.0 |
| 1.5KE27 | 1N6281 | 21.80 | 24.30 | 29.70 | 1 | 39.1 | 38.5 | 5.0 |
| 1.5KE27A | 1N6281A | 23.10 | 25.70 | 28.40 | 1 | 37.5 | 40.0 | 5.0 |
| 1.5KE30 | 1N6282 | 24.30 | 27.00 | 33.00 | 1 | 43.5 | 34.5 | 5.0 |
| 1.5KE30A | 1N6282A | 25.60 | 28.50 | 31.50 | 1 | 41.4 | 36.0 | 5.0 |
| 1.5KE33 | 1N6283 | 26.80 | 29.70 | 36.30 | 1 | 47.7 | 31.5 | 5.0 |
| 1.5KE33A | 1N6283A | 28.20 | 31.40 | 34.70 | 1 | 45.7 | 33.0 | 5.0 |
| 1.5KE36 | 1N6284 | 29.10 | 32.40 | 39.60 | 1 | 52.0 | 29.0 | 5.0 |
| 1.5KE36A | 1N6284A | 30.80 | 34.20 | 37.80 | 1 | 49.9 | 30.0 | 5.0 |
| 1.5KE39 | 1N6285 | 31.60 | 35.10 | 42.90 | 1 | 56.4 | 26.5 | 5.0 |
| 1.5KE39A | 1N6285A | 33.30 | 37.10 | 41.00 | 1 | 53.9 | 28.0 | 5.0 |
| 1.5KE43 | 1N6286 | 34.80 | 38.70 | 47.30 | 1 | 61.9 | 24.0 | 5.0 |
| 1.5KE43A | 1N6286A | 36.80 | 40.90 | 45.20 | 1 | 59.3 | 25.3 | 5.0 |
| 1.5KE47 | 1N6287 | 38.10 | 42.30 | 51.70 | 1 | 67.8 | 22.2 | 5.0 |
| 1.5KE47A | 1N6287A | 40.20 | 44.70 | 49.40 | 1 | 64.8 | 23.2 | 5.0 |
| 1.5KE51 | 1N6288 | 41.30 | 45.90 | 56.10 | 1 | 73.5 | 20.4 | 5.0 |
| 1.5KE51A | 1N6288A | 43.60 | 48.50 | 53.60 | 1 | 70.1 | 21.4 | 5.0 |

| | | | | | | | | |
|-----------|---------|--------|--------|--------|---|-------|------|-----|
| 1.5KE56 | 1N6289 | 45.60 | 50.40 | 61.60 | 1 | 80.5 | 18.6 | 5.0 |
| 1.5KE56A | 1N6289A | 47.80 | 53.20 | 58.80 | 1 | 77.0 | 19.5 | 5.0 |
| 1.5KE62 | 1N6290 | 50.20 | 55.80 | 68.20 | 1 | 89.0 | 16.9 | 5.0 |
| 1.5KE62A | 1N6290A | 53.00 | 58.90 | 65.10 | 1 | 85.0 | 17.7 | 5.0 |
| 1.5KE68 | 1N6291 | 55.10 | 61.20 | 74.80 | 1 | 98.0 | 15.3 | 5.0 |
| 1.5KE68A | 1N6291A | 58.10 | 64.60 | 71.40 | 1 | 92.0 | 16.3 | 5.0 |
| 1.5KE75 | 1N6292 | 60.70 | 67.50 | 82.50 | 1 | 108.0 | 13.9 | 5.0 |
| 1.5KE75A | 1N6292A | 64.10 | 71.30 | 78.80 | 1 | 103.0 | 14.6 | 5.0 |
| 1.5KE82 | 1N6293 | 66.40 | 73.80 | 90.20 | 1 | 118.0 | 12.7 | 5.0 |
| 1.5KE82A | 1N6293A | 70.10 | 77.90 | 86.10 | 1 | 113.0 | 13.3 | 5.0 |
| 1.5KE91 | 1N6294 | 73.70 | 81.90 | 100.00 | 1 | 131.0 | 11.4 | 5.0 |
| 1.5KE91A | 1N9294A | 77.80 | 86.50 | 95.50 | 1 | 125.0 | 12.0 | 5.0 |
| 1.5KE100 | 1N6295 | 81.00 | 90.00 | 110.00 | 1 | 144.0 | 10.4 | 5.0 |
| 1.5KE100A | 1N6295A | 85.50 | 95.00 | 105.00 | 1 | 137.0 | 11.0 | 5.0 |
| 1.5KE110 | 1N6296 | 89.20 | 99.00 | 121.00 | 1 | 158.0 | 9.5 | 5.0 |
| 1.5KE110A | 1N6296A | 94.00 | 105.00 | 116.00 | 1 | 152.0 | 9.9 | 5.0 |
| 1.5KE120 | 1N6297 | 97.20 | 108.00 | 132.00 | 1 | 173.0 | 8.7 | 5.0 |
| 1.5KE120A | 1N6297A | 102.00 | 114.00 | 126.00 | 1 | 165.0 | 9.1 | 5.0 |
| 1.5KE130 | 1N6298 | 105.00 | 117.00 | 143.00 | 1 | 187.0 | 8.0 | 5.0 |
| 1.5KE130A | 1N6298A | 111.00 | 124.00 | 137.00 | 1 | 179.0 | 8.4 | 5.0 |
| 1.5KE150 | 1N6299 | 121.00 | 135.00 | 165.00 | 1 | 215.0 | 7.0 | 5.0 |
| 1.5KE150A | 1N6299A | 128.00 | 143.00 | 158.00 | 1 | 207.0 | 7.2 | 5.0 |
| 1.5KE160 | 1N6300 | 130.00 | 144.00 | 176.00 | 1 | 230.0 | 6.5 | 5.0 |
| 1.5KE160A | 1N6300A | 136.00 | 152.00 | 168.00 | 1 | 219.0 | 6.8 | 5.0 |

UNI-DIRECTIONAL 1500 Watt Axial Lead TVS

| UNI-DIRECTIONAL PART NUMBER | JEDEC 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) |
|-----------------------------|-------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|--|-------------------------------|
| 1.5KE170 | 1N6301 | 138.00 | 153.00 | 187.00 | 1 | 244.0 | 6.2 | 5.0 |
| 1.5KE170A | 1N6301A | 145.00 | 162.00 | 179.00 | 1 | 234.0 | 6.4 | 5.0 |
| 1.5KE180 | 1N6302 | 146.00 | 162.00 | 198.00 | 1 | 258.0 | 5.8 | 5.0 |
| 1.5KE180A | 1N6302A | 154.00 | 171.00 | 189.00 | 1 | 246.0 | 6.1 | 5.0 |
| 1.5KE200 | 1N6303 | 162.00 | 180.00 | 220.00 | 1 | 287.0 | 5.2 | 5.0 |
| 1.5KE200A | 1N6303A | 171.00 | 190.00 | 210.00 | 1 | 274.0 | 5.5 | 5.0 |
| 1.5KE220 | | 175.00 | 198.00 | 242.00 | 1 | 344.0 | 4.3 | 5.0 |
| 1.5KE220A | | 185.00 | 209.00 | 231.00 | 1 | 328.0 | 4.6 | 5.0 |
| 1.5KE250 | | 202.00 | 225.00 | 275.00 | 1 | 360.0 | 4.3 | 5.0 |
| 1.5KE250A | | 214.00 | 237.00 | 263.00 | 1 | 344.0 | 4.5 | 5.0 |
| 1.5KE300 | | 243.00 | 270.00 | 330.00 | 1 | 430.0 | 3.6 | 5.0 |
| 1.5KE300A | | 256.00 | 285.00 | 315.00 | 1 | 414.0 | 3.8 | 5.0 |
| 1.5KE350 | | 284.00 | 315.00 | 385.00 | 1 | 504.0 | 3.1 | 5.0 |
| 1.5KE350A | | 300.00 | 332.00 | 368.00 | 1 | 482.0 | 3.2 | 5.0 |
| 1.5KE400 | | 324.00 | 360.00 | 440.00 | 1 | 574.0 | 2.7 | 5.0 |
| 1.5KE400A | | 342.00 | 380.00 | 420.00 | 1 | 548.0 | 2.8 | 5.0 |
| 1.5KE440 | | 356.00 | 396.00 | 484.00 | 1 | 631.0 | 2.4 | 5.0 |
| 1.5KE440A | | 376.00 | 418.00 | 462.00 | 1 | 600.0 | 2.6 | 5.0 |

BI-DIRECTIONAL 1500 Watt Axial Lead TVS

| BI-DIRECTIONAL PART NUMBER | JEDEC 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) |
|----------------------------|-------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|--|-------------------------------|
| 1.5KE6.8C | 1N6267C | 5.50 | 6.12 | 7.48 | 10 | 10.8 | 139.0 | 2000.0 |
| 1.5KE6.8CA | 1N6267CA | 5.80 | 6.45 | 7.14 | 10 | 10.5 | 143.0 | 2000.0 |
| 1.5KE7.5C | 1N6268C | 6.05 | 6.75 | 8.25 | 10 | 11.7 | 128.0 | 1000.0 |
| 1.5KE7.5CA | 1N6268CA | 6.40 | 7.13 | 7.88 | 10 | 11.3 | 132.0 | 1000.0 |
| 1.5KE8.2C | 1N6269C | 6.63 | 7.38 | 9.02 | 10 | 12.5 | 120.0 | 400.0 |
| 1.5KE8.2CA | 1N6269CA | 7.02 | 7.79 | 8.61 | 10 | 12.1 | 124.0 | 400.0 |
| 1.5KE9.1C | 1N6270C | 7.37 | 8.19 | 10.00 | 1 | 13.8 | 109.0 | 100.0 |
| 1.5KE9.1CA | 1N6270CA | 7.38 | 8.65 | 9.50 | 1 | 13.4 | 112.0 | 100.0 |
| 1.5KE10C | 1N62701C | 8.10 | 9.00 | 11.00 | 1 | 15.0 | 100.0 | 20.0 |
| 1.5KE10CA | 1N6271CA | 8.55 | 9.50 | 10.50 | 1 | 14.5 | 103.0 | 20.0 |
| 1.5KE11C | 1N6272C | 8.92 | 9.90 | 12.10 | 1 | 16.2 | 93.0 | 10.0 |
| 1.5KE11CA | 1N6272CA | 9.40 | 10.50 | 11.60 | 1 | 15.6 | 96.0 | 10.0 |
| 1.5KE12C | 1N6273C | 9.72 | 10.80 | 13.20 | 1 | 17.3 | 87.0 | 5.0 |
| 1.5KE12CA | 1N6273CA | 10.20 | 11.40 | 12.60 | 1 | 16.7 | 90.0 | 5.0 |
| 1.5KE13C | 1N6274C | 10.50 | 11.70 | 14.30 | 1 | 19.0 | 79.0 | 5.0 |
| 1.5KE13CA | 1N6274CA | 11.10 | 12.40 | 13.70 | 1 | 18.2 | 82.0 | 5.0 |
| 1.5KE15C | 1N6275C | 12.10 | 13.50 | 16.50 | 1 | 22.0 | 68.0 | 5.0 |
| 1.5KE15CA | 1N6275CA | 12.80 | 14.30 | 15.80 | 1 | 21.2 | 71.0 | 5.0 |
| 1.5KE16C | 1N6276C | 12.90 | 14.40 | 17.60 | 1 | 23.5 | 64.0 | 5.0 |
| 1.5KE16CA | 1N6276CA | 13.60 | 15.20 | 16.80 | 1 | 22.5 | 67.0 | 5.0 |
| 1.5KE18C | 1N6277C | 14.50 | 16.20 | 19.80 | 1 | 26.5 | 56.5 | 5.0 |
| 1.5KE18CA | 1N6277CA | 15.30 | 17.10 | 18.90 | 1 | 25.2 | 59.5 | 5.0 |

| | | | | | | | | |
|------------|----------|--------|--------|--------|---|-------|------|-----|
| 1.5KE20C | 1N6278C | 16.20 | 18.00 | 22.00 | 1 | 29.1 | 51.5 | 5.0 |
| 1.5KE20CA | 1N6278CA | 17.10 | 19.00 | 21.00 | 1 | 27.7 | 54.0 | 5.0 |
| 1.5KE22C | 1N6279C | 17.80 | 19.80 | 24.20 | 1 | 31.9 | 47.0 | 5.0 |
| 1.5KE22CA | 1N6279CA | 18.80 | 20.90 | 23.10 | 1 | 30.6 | 49.0 | 5.0 |
| 1.5KE24C | 1N6280C | 19.40 | 21.60 | 26.40 | 1 | 34.7 | 43.0 | 5.0 |
| 1.5KE24CA | 1N6280CA | 20.50 | 22.80 | 25.20 | 1 | 33.2 | 45.0 | 5.0 |
| 1.5KE27C | 1N6281C | 21.80 | 24.30 | 29.70 | 1 | 39.1 | 38.5 | 5.0 |
| 1.5KE27CA | 1N6281CA | 23.10 | 25.70 | 28.40 | 1 | 37.5 | 40.0 | 5.0 |
| 1.5KE30C | 1N6282C | 24.30 | 27.00 | 33.00 | 1 | 43.5 | 34.5 | 5.0 |
| 1.5KE30CA | 1N6282CA | 25.60 | 28.50 | 31.50 | 1 | 41.4 | 36.0 | 5.0 |
| 1.5KE33C | 1N6283C | 26.80 | 29.70 | 36.30 | 1 | 47.7 | 31.5 | 5.0 |
| 1.5KE33CA | 1N6283CA | 28.20 | 31.40 | 34.70 | 1 | 45.7 | 33.0 | 5.0 |
| 1.5KE36C | 1N6284C | 29.10 | 32.40 | 39.60 | 1 | 52.0 | 29.0 | 5.0 |
| 1.5KE36CA | 1N6284CA | 30.80 | 34.20 | 37.80 | 1 | 49.9 | 30.0 | 5.0 |
| 1.5KE39C | 1N6285C | 31.60 | 35.10 | 42.90 | 1 | 56.4 | 26.5 | 5.0 |
| 1.5KE39CA | 1N6285CA | 33.30 | 37.10 | 41.00 | 1 | 53.9 | 28.0 | 5.0 |
| 1.5KE43C | 1N6286C | 34.80 | 38.70 | 47.30 | 1 | 61.9 | 24.0 | 5.0 |
| 1.5KE43CA | 1N6286CA | 36.80 | 40.90 | 45.20 | 1 | 59.3 | 25.3 | 5.0 |
| 1.5KE47C | 1N6287C | 38.10 | 42.30 | 51.70 | 1 | 67.8 | 22.2 | 5.0 |
| 1.5KE47CA | 1N6287CA | 40.20 | 44.70 | 49.40 | 1 | 64.8 | 23.2 | 5.0 |
| 1.5KE51C | 1N6288C | 41.30 | 45.90 | 56.10 | 1 | 73.5 | 20.4 | 5.0 |
| 1.5KE51CA | 1N6288CA | 43.60 | 48.50 | 53.60 | 1 | 70.1 | 21.4 | 5.0 |
| 1.5KE56C | 1N6289C | 45.60 | 50.40 | 61.60 | 1 | 80.5 | 18.6 | 5.0 |
| 1.5KE56CA | 1N6289CA | 47.80 | 53.20 | 58.80 | 1 | 77.0 | 19.5 | 5.0 |
| 1.5KE62C | 1N6290C | 50.20 | 55.80 | 68.20 | 1 | 89.0 | 16.9 | 5.0 |
| 1.5KE62CA | 1N6290CA | 53.00 | 58.90 | 65.10 | 1 | 85.0 | 17.7 | 5.0 |
| 1.5KE68C | 1N6291C | 55.10 | 61.20 | 74.80 | 1 | 98.0 | 15.3 | 5.0 |
| 1.5KE68CA | 1N6291CA | 58.10 | 64.60 | 71.40 | 1 | 92.0 | 16.3 | 5.0 |
| 1.5KE75C | 1N6292C | 60.70 | 67.50 | 82.50 | 1 | 108.0 | 13.9 | 5.0 |
| 1.5KE75CA | 1N6292CA | 64.10 | 71.30 | 78.80 | 1 | 103.0 | 14.6 | 5.0 |
| 1.5KE82C | 1N6293C | 66.40 | 73.80 | 90.20 | 1 | 118.0 | 12.7 | 5.0 |
| 1.5KE82CA | 1N6293CA | 70.10 | 77.90 | 86.10 | 1 | 113.0 | 13.3 | 5.0 |
| 1.5KE91C | 1N6294C | 73.70 | 81.90 | 100.00 | 1 | 131.0 | 11.4 | 5.0 |
| 1.5KE91CA | 1N9294CA | 77.80 | 86.50 | 95.50 | 1 | 125.0 | 12.0 | 5.0 |
| 1.5KE100C | 1N6295C | 81.00 | 90.00 | 110.00 | 1 | 144.0 | 10.4 | 5.0 |
| 1.5KE100CA | 1N6295CA | 85.50 | 95.00 | 105.00 | 1 | 137.0 | 11.0 | 5.0 |
| 1.5KE110C | 1N6296C | 89.20 | 99.00 | 121.00 | 1 | 158.0 | 9.5 | 5.0 |
| 1.5KE110CA | 1N6296CA | 94.00 | 105.00 | 116.00 | 1 | 152.0 | 9.9 | 5.0 |
| 1.5KE120C | 1N6297C | 97.20 | 108.00 | 132.00 | 1 | 173.0 | 8.7 | 5.0 |
| 1.5KE120CA | 1N6297CA | 102.00 | 114.00 | 126.00 | 1 | 165.0 | 9.1 | 5.0 |
| 1.5KE130C | 1N6298C | 105.00 | 117.00 | 143.00 | 1 | 187.0 | 8.0 | 5.0 |
| 1.5KE130CA | 1N6298CA | 111.00 | 124.00 | 137.00 | 1 | 179.0 | 8.4 | 5.0 |
| 1.5KE150C | 1N6299C | 121.00 | 135.00 | 165.00 | 1 | 215.0 | 7.0 | 5.0 |
| 1.5KE150CA | 1N6299CA | 128.00 | 143.00 | 158.00 | 1 | 207.0 | 7.2 | 5.0 |
| 1.5KE160C | 1N6300C | 130.00 | 144.00 | 176.00 | 1 | 230.0 | 6.5 | 5.0 |
| 1.5KE160CA | 1N6300CA | 136.00 | 152.00 | 168.00 | 1 | 219.0 | 6.8 | 5.0 |

BI-DIRECTIONAL 1500 Watt Axial Lead TVS

| BI-DIRECTIONAL PART NUMBER | JEDEC 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) |
|----------------------------|-------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--|--|-------------------------------|
| 1.5KE170C | 1N6301C | 138.00 | 153.00 | 187.00 | 1 | 244.0 | 6.2 | 5.0 |
| 1.5KE170CA | 1N6301CA | 145.00 | 162.00 | 179.00 | 1 | 234.0 | 6.4 | 5.0 |
| 1.5KE180C | 1N6302C | 146.00 | 162.00 | 198.00 | 1 | 258.0 | 5.8 | 5.0 |
| 1.5KE180CA | 1N6302CA | 154.00 | 171.00 | 189.00 | 1 | 246.0 | 6.1 | 5.0 |
| 1.5KE200C | 1N6303C | 162.00 | 180.00 | 220.00 | 1 | 287.0 | 5.2 | 5.0 |
| 1.5KE200CA | 1N6303CA | 171.00 | 190.00 | 210.00 | 1 | 274.0 | 5.5 | 5.0 |
| 1.5KE220C | | 175.00 | 198.00 | 242.00 | 1 | 344.0 | 4.3 | 5.0 |
| 1.5KE220CA | | 185.00 | 209.00 | 231.00 | 1 | 328.0 | 4.6 | 5.0 |
| 1.5KE250C | | 202.00 | 225.00 | 275.00 | 1 | 360.0 | 4.3 | 5.0 |
| 1.5KE250CA | | 214.00 | 237.00 | 263.00 | 1 | 344.0 | 4.5 | 5.0 |
| 1.5KE300C | | 243.00 | 270.00 | 330.00 | 1 | 430.0 | 3.6 | 5.0 |
| 1.5KE300CA | | 256.00 | 285.00 | 315.00 | 1 | 414.0 | 3.8 | 5.0 |
| 1.5KE350C | | 284.00 | 315.00 | 385.00 | 1 | 504.0 | 3.1 | 5.0 |
| 1.5KE350CA | | 300.00 | 332.00 | 368.00 | 1 | 482.0 | 3.2 | 5.0 |
| 1.5KE400C | | 324.00 | 360.00 | 440.00 | 1 | 574.0 | 2.7 | 5.0 |
| 1.5KE400CA | | 342.00 | 380.00 | 420.00 | 1 | 548.0 | 2.8 | 5.0 |
| 1.5KE440C | | 356.00 | 396.00 | 484.00 | 1 | 631.0 | 2.4 | 5.0 |
| 1.5KE440CA | | 376.00 | 418.00 | 462.00 | 1 | 600.0 | 2.6 | 5.0 |