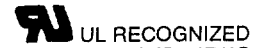




TRANSIENT VOLTAGE SUPPRESSORS

1.5KE AND JEDEC SERIES



1500 WATT PEAK POWER RATING/DO-201

OPERATING/STORAGE TEMPERATURE RANGE -65°C TO +175°C

| Industry Type Number | JEDEC Type Number | V (BR) @ I _T | | I _T | V _{WM} | Max ID @ V _{WM} | Max VC @ I _{pp} | I _{pp} IPP | a V (BR) | Industry Type Number | JEDEC Type Number | V (BR) @ I _T | | I _T | V _{WM} | Max ID @ V _{WM} | Max VC @ I _{pp} | I _{pp} | a V (BR) |
|----------------------|-------------------|-------------------------|------|----------------|-----------------|--------------------------|--------------------------|---------------------|----------|----------------------|-------------------|-------------------------|------|----------------|-----------------|--------------------------|--------------------------|-----------------|----------|
| | | Min | Max | | | | | | | | | Min | Max | | | | | | |
| | | VDC | | mADC | V | μADC | V | A | %/°C | | | VDC | | mADC | V | μADC | V | A | %/°C |
| 1.5KE6.8 | 1N6267 | 6.12 | 7.48 | 10 | 5.5 | 1000 | 10.8 | 139 | .057 | 1.5KE6.8A | 1N6267A | 6.45 | 7.14 | 10 | 5.8 | 1000 | 10.5 | 143 | .057 |
| 1.5KE7.5 | 1N6268 | 6.75 | 8.25 | 10 | 6.05 | 500 | 11.7 | 128 | .061 | 1.5KE7.5A | 1N6268A | 7.13 | 7.88 | 10 | 6.4 | 500 | 11.3 | 132 | .061 |
| 1.5KE8.2 | 1N6269 | 7.38 | 9.02 | 10 | 6.63 | 200 | 12.5 | 120 | .065 | 1.5KE8.2A | 1N6269A | 7.79 | 8.61 | 10 | 7.02 | 200 | 12.1 | 124 | .065 |
| 1.5KE9.1 | 1N6270 | 8.19 | 10 | 1 | 7.37 | 50 | 13.8 | 109 | .068 | 1.5KE9.1A | 1N6270A | 8.65 | 9.55 | 1 | 7.78 | 50 | 13.4 | 112 | .068 |
| 1.5KE10 | 1N6271 | 9.0 | 11 | 1 | 8.1 | 10 | 15 | 100 | .073 | 1.5KE10A | 1N6271A | 9.5 | 10.5 | 1 | 8.55 | 10 | 14.5 | 103 | .073 |
| 1.5KE11 | 1N6272 | 9.9 | 12.1 | 1 | 8.92 | 5 | 16.2 | 93 | .075 | 1.5KE11A | 1N6272A | 10.5 | 11.6 | 1 | 9.4 | 5 | 15.6 | 96 | .075 |
| 1.5KE12 | 1N6273 | 10.8 | 13.2 | 1 | 9.72 | 5 | 17.3 | 87 | .078 | 1.5KE12A | 1N6273A | 11.4 | 12.6 | 1 | 10.2 | 5 | 16.7 | 90 | .078 |
| 1.5KE13 | 1N6274 | 11.7 | 14.3 | 1 | 10.5 | 5 | 19 | 79 | .081 | 1.5KE13A | 1N6274A | 12.4 | 13.7 | 1 | 11.1 | 5 | 18.2 | 82 | .081 |
| 1.5KE15 | 1N6275 | 13.5 | 16.5 | 1 | 12.1 | 5 | 22 | 68 | .084 | 1.5KE15A | 1N6275A | 14.3 | 15.8 | 1 | 12.8 | 5 | 21.2 | 71 | .084 |
| 1.5KE16 | 1N6276 | 14.4 | 17.6 | 1 | 12.9 | 5 | 23.5 | 64 | .086 | 1.5KE16A | 1N6276A | 15.2 | 16.8 | 1 | 13.6 | 5 | 22.5 | 67 | .086 |
| 1.5KE18 | 1N6277 | 16.2 | 19.8 | 1 | 14.5 | 5 | 26.5 | 56.5 | .088 | 1.5KE18A | 1N6277A | 17.1 | 18.9 | 1 | 15.3 | 5 | 25.2 | 59.5 | .088 |
| 1.5KE20 | 1N6278 | 18 | 22 | 1 | 16.2 | 5 | 29.1 | 51.5 | .090 | 1.5KE20A | 1N6278A | 19 | 21 | 1 | 17.1 | 5 | 27.7 | 54 | .090 |
| 1.5KE22 | 1N6279 | 19.8 | 24.2 | 1 | 17.8 | 5 | 31.9 | 47 | .092 | 1.5KE22A | 1N6279A | 20.9 | 23.1 | 1 | 18.8 | 5 | 30.6 | 49 | .092 |
| 1.5KE24 | 1N6280 | 21.6 | 26.4 | 1 | 19.4 | 5 | 34.7 | 43 | .094 | 1.5KE24A | 1N6280A | 22.8 | 25.2 | 1 | 20.5 | 5 | 33.2 | 45 | .094 |
| 1.5KE27 | 1N6281 | 24.3 | 29.7 | 1 | 21.8 | 5 | 39.1 | 38.5 | .096 | 1.5KE27A | 1N6281A | 25.7 | 28.4 | 1 | 23.1 | 5 | 37.5 | 40 | .096 |
| 1.5KE30 | 1N6282 | 27 | 33 | 1 | 24.3 | 5 | 43.5 | 34.5 | .097 | 1.5KE30A | 1N6282A | 28.5 | 31.5 | 1 | 25.6 | 5 | 41.4 | 36 | .097 |
| 1.5KE33 | 1N6283 | 29.7 | 36.3 | 1 | 26.8 | 5 | 47.7 | 31.5 | .098 | 1.5KE33A | 1N6283A | 31.4 | 34.7 | 1 | 28.2 | 5 | 45.7 | 33 | .098 |
| 1.5KE36 | 1N6284 | 32.4 | 39.6 | 1 | 29.1 | 5 | 52 | 29 | .099 | 1.5KE36A | 1N6284A | 34.2 | 37.8 | 1 | 30.8 | 5 | 49.9 | 30 | .099 |
| 1.5KE39 | 1N6285 | 35.1 | 42.9 | 1 | 31.6 | 5 | 56.4 | 26.5 | .100 | 1.5KE39A | 1N6285A | 37.1 | 41 | 1 | 33.3 | 5 | 53.9 | 28 | .100 |
| 1.5KE43 | 1N6286 | 38.7 | 47.3 | 1 | 34.8 | 5 | 61.9 | 24 | .101 | 1.5KE43A | 1N6286A | 40.9 | 45.2 | 1 | 36.8 | 5 | 59.3 | 25.3 | .101 |
| 1.5KE47 | 1N6287 | 42.3 | 51.7 | 1 | 38.1 | 5 | 67.8 | 22.2 | .101 | 1.5KE47A | 1N6287A | 44.7 | 49.4 | 1 | 40.2 | 5 | 64.8 | 23.2 | .101 |
| 1.5KE51 | 1N6288 | 45.9 | 56.1 | 1 | 41.3 | 5 | 73.5 | 20.4 | .102 | 1.5KE51A | 1N6288A | 48.5 | 53.6 | 1 | 43.6 | 5 | 70.1 | 21.4 | .102 |
| 1.5KE56 | 1N6289 | 50.4 | 61.6 | 1 | 45.4 | 5 | 80.5 | 18.6 | .103 | 1.5KE56A | 1N6289A | 53.2 | 58.8 | 1 | 47.8 | 5 | 77 | 19.5 | .103 |
| 1.5KE62 | 1N6290 | 55.8 | 68.2 | 1 | 50.2 | 5 | 89 | 16.9 | .104 | 1.5KE62A | 1N6290A | 58.9 | 65.1 | 1 | 53 | 5 | 85 | 17.7 | .104 |
| 1.5KE68 | 1N6291 | 61.2 | 74.8 | 1 | 55.1 | 5 | 98 | 15.3 | .104 | 1.5KE68A | 1N6291A | 64.6 | 71.4 | 1 | 58.1 | 5 | 92 | 16.3 | .104 |
| 1.5KE75 | 1N6292 | 67.5 | 82.5 | 1 | 60.7 | 5 | 108 | 13.9 | .105 | 1.5KE75A | 1N6292A | 71.3 | 78.8 | 1 | 64.1 | 5 | 103 | 14.6 | .105 |
| 1.5KE82 | 1N6293 | 73.8 | 90.2 | 1 | 66.4 | 5 | 118 | 12.7 | .105 | 1.5KE82A | 1N6293A | 77.9 | 86.1 | 1 | 70.1 | 5 | 113 | 13.3 | .105 |
| 1.5KE91 | 1N6294 | 81.9 | 100 | 1 | 73.7 | 5 | 131 | 11.4 | .106 | 1.5KE91A | 1N6294A | 86.5 | 95.5 | 1 | 77.8 | 5 | 125 | 12 | .106 |
| 1.5KE100 | 1N6295 | 90 | 110 | 1 | 81 | 5 | 144 | 10.4 | .106 | 1.5KE100A | 1N6295A | 95 | 105 | 1 | 85.5 | 5 | 137 | 11 | .106 |
| 1.5KE110 | 1N6296 | 99 | 121 | 1 | 89.2 | 5 | 158 | 9.5 | .107 | 1.5KE110A | 1N6296A | 105 | 116 | 1 | 94 | 5 | 152 | 9.9 | .107 |
| 1.5KE120 | 1N6297 | 108 | 132 | 1 | 97.2 | 5 | 173 | 8.7 | .107 | 1.5KE120A | 1N6297A | 114 | 126 | 1 | 102 | 5 | 165 | 9.1 | .107 |
| 1.5KE130 | 1N6298 | 117 | 143 | 1 | 105 | 5 | 187 | 8.0 | .107 | 1.5KE130A | 1N6298A | 124 | 137 | 1 | 111 | 5 | 179 | 8.4 | .107 |
| 1.5KE150 | 1N6299 | 135 | 165 | 1 | 121 | 5 | 215 | 7.0 | .108 | 1.5KE150A | 1N6299A | 143 | 158 | 1 | 128 | 5 | 207 | 7.2 | .108 |
| 1.5KE160 | 1N6300 | 144 | 176 | 1 | 130 | 5 | 230 | 6.5 | .108 | 1.5KE160A | 1N6300A | 152 | 168 | 1 | 136 | 5 | 219 | 6.8 | .108 |
| 1.5KE170 | 1N6301 | 153 | 187 | 1 | 138 | 5 | 244 | 6.2 | .108 | 1.5KE170A | 1N6301A | 162 | 179 | 1 | 145 | 5 | 234 | 6.4 | .108 |
| 1.5KE180 | 1N6302 | 162 | 198 | 1 | 146 | 5 | 258 | 5.8 | .108 | 1.5KE180A | 1N6302A | 171 | 189 | 1 | 154 | 5 | 246 | 6.1 | .108 |
| 1.5KE200 | 1N6303 | 180 | 220 | 1 | 162 | 5 | 287 | 5.2 | .108 | 1.5KE200A | 1N6303A | 190 | 210 | 1 | 171 | 5 | 274 | 5.5 | .108 |
| 1.5KE220 | | 198 | 242 | 1 | 175 | 5 | 344 | 4.3 | .108 | 1.5KE220A | | 209 | 231 | 1 | 185 | 5 | 328 | 4.6 | .108 |
| 1.5KE250 | | 225 | 275 | 1 | 202 | 5 | 360 | 5.0 | .108 | 1.5KE250A | | 237 | 263 | 1 | 214 | 5 | 344 | 5.0 | .108 |
| 1.5KE300 | | 270 | 330 | 1 | 243 | 5 | 430 | 5.0 | .108 | 1.5KE300A | | 285 | 315 | 1 | 256 | 5 | 414 | 5.0 | .108 |
| 1.5KE350 | | 315 | 385 | 1 | 284 | 5 | 504 | 4.0 | .108 | 1.5KE350A | | 332 | 368 | 1 | 300 | 5 | 482 | 4.0 | .108 |
| 1.5KE400 | | 360 | 440 | 1 | 324 | 5 | 574 | 4.0 | .108 | 1.5KE400A | | 380 | 420 | 1 | 342 | 5 | 548 | 4.0 | .108 |

- NOTES: 1) For Bidirectional Construction, indicate a C or CA suffix after the part number i.e. 1.5KE200CA.
 2) For Bidirectional types with V_{WM} of 8 volts or less, the maximum leakage current (ID) specification is doubled.
 3) JEDEC types are not available as bidirectional devices.

SYMBOLS AND ABBREVIATIONS:

V_{WM} = Rated Stand-Off Voltage
 I_{pp} = Peak Pulse Current
 Vc(Max) = Maximum Clamping Voltage

V (BR) = Breakdown Voltage
 I_T = Test Current
 I_D = Reverse Leakage
 aV (BR) = Max Temp. Coefficient of V (BR) / TA = -55 to 100°C