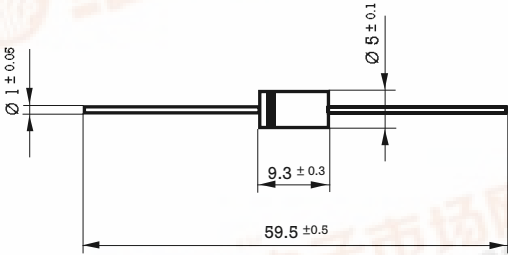


1500W Unidirectional and Bidirectional Transient Voltage Suppressor Diodes

| | |
|--|---|
| <p>Dimensions in mm.</p> <p style="text-align: right;">DO201AE (Plastic)</p>  | <p>Peak Pulse Power Rating At 1 ms. Exp. 1500 W</p> <p>Reverse stand-off Voltage 5.5 ÷ 376 V</p> <p style="text-align: center;">HYPERECTIFIER®</p> |
| <p>Mounting instructions</p> <ol style="list-style-type: none"> 1. Min. distance from body to soldering point, 4 mm. 2. Max. solder temperature, 300 °C. 3. Max. soldering time, 3.5 sec. 4. Do not bend lead at a point closer than 3 mm. to the body. | <ul style="list-style-type: none"> • Glass passivated junction • Low Capacitance AC signal protection • Response time typically < 1 ns. • Molded case • The plastic material carries U/L recognition 94 V-0 • Terminals: Axial leads |

Maximum Ratings, according to IEC publication No. 134

| | | |
|-------------|--|------------------|
| P_{PP} | Peak pulse power with 10/1000 μ s exponential pulse | 1500 W |
| I_{FSM} | Non repetitive surge peak forward current ($t = 8.3$ msec.) (Jedec Method) (Note 1) | 200 A |
| T_j | Operating temperature range | - 65 to + 175 °C |
| T_{stg} | Storage temperature range | - 65 to + 175 °C |
| $P_{M(AV)}$ | Steady state Power Dissipation ($l = 10$ mm) | 5 W |

Electrical Characteristics at $T_{amb} = 25$ °C

| | | |
|-------------|---|---|
| V_F | Max. forward voltage drop at $I_F = 100$ A (Note 1) | $V_{BR} \leq 220$ V 3.5 V $V_{BR} > 220$ V 5.0 V |
| R_{thj-l} | Max. thermal resistance ($l = 10$ mm.) | 20 °C/W |

Note 1: Valid only for Unidirectional.

| Type | Maximum Reverse Leakage Current I_{RM} at V_{RM} | | (1) Breakdown Voltage V_{BR} at I_R (V) | | | I_R (mA) | Max. Clamping Voltage V_{CL} at I_{PP} max. 1ms. Expo. | |
|-------------------|---|------|---|------|------|---------------|--|------|
| | (μ A) | (V) | Min. | Nom. | Max. | | (V) | (A) |
| Unidirectional | | | | | | | | |
| 1N6267 1.5KE6V8 | 1000 | 5.50 | 6.12 | 6.8 | 7.48 | 10 | 10.8 | 139 |
| 1N6267A 1.5KE6V8A | 1000 | 5.80 | 6.45 | 6.8 | 7.14 | 10 | 10.5 | 143 |
| 1N6268 1.5KE7V5 | 500 | 6.05 | 6.75 | 7.5 | 8.25 | 10 | 11.7 | 128 |
| 1N6268A 1.5KE7V5A | 500 | 6.40 | 7.13 | 7.5 | 7.88 | 10 | 11.3 | 132 |
| 1N6269 1.5KE8V2 | 200 | 6.63 | 7.38 | 8.2 | 9.02 | 10 | 12.5 | 120 |
| 1N6269A 1.5KE8V2A | 200 | 7.02 | 7.79 | 8.2 | 8.61 | 10 | 12.1 | 124 |
| 1N6270 1.5KE9V1 | 50 | 7.37 | 8.19 | 9.1 | 10.0 | 1 | 13.8 | 109 |
| 1N6270A 1.5KE9V1A | 50 | 7.78 | 8.65 | 9.1 | 9.55 | 1 | 13.4 | 112 |
| 1N6271 1.5KE10 | 10 | 8.10 | 9.00 | 10 | 11.0 | 1 | 15.0 | 100 |
| 1N6271A 1.5KE10A | 10 | 8.55 | 9.50 | 10 | 10.5 | 1 | 14.5 | 103 |
| 1N6272 1.5KE11 | 5 | 8.92 | 9.90 | 11 | 12.1 | 1 | 16.2 | 93 |
| 1N6272A 1.5KE11A | 5 | 9.40 | 10.5 | 11 | 11.6 | 1 | 15.6 | 96 |
| 1N6273 1.5KE12 | 5 | 9.72 | 10.8 | 12 | 13.2 | 1 | 17.3 | 87 |
| 1N6273A 1.5KE12A | 5 | 10.2 | 11.4 | 12 | 12.6 | 1 | 16.7 | 90 |
| 1N6274 1.5KE13 | 5 | 10.5 | 11.7 | 13 | 14.3 | 1 | 19.0 | 79 |
| 1N6274A 1.5KE13A | 5 | 11.1 | 12.4 | 13 | 13.7 | 1 | 18.2 | 82 |
| 1N6275 1.5KE15 | 5 | 12.1 | 13.5 | 15 | 16.5 | 1 | 22.0 | 68 |
| 1N6275A 1.5KE15A | 5 | 12.8 | 14.3 | 15 | 15.8 | 1 | 21.2 | 71 |
| 1N6276 1.5KE16 | 5 | 12.9 | 14.4 | 16 | 17.6 | 1 | 23.5 | 64 |
| 1N6276A 1.5KE16A | 5 | 13.6 | 15.2 | 16 | 16.8 | 1 | 22.5 | 67 |
| 1N6277 1.5KE18 | 5 | 14.5 | 16.2 | 18 | 19.8 | 1 | 26.5 | 56.5 |
| 1N6277A 1.5KE18A | 5 | 15.3 | 17.1 | 18 | 18.9 | 1 | 25.5 | 59.5 |
| 1N6278 1.5KE20 | 5 | 16.2 | 18.0 | 20 | 22.0 | 1 | 29.1 | 51.5 |
| 1N6278A 1.5KE20A | 5 | 17.1 | 19.0 | 20 | 21.0 | 1 | 27.7 | 54 |
| 1N6279 1.5KE22 | 5 | 17.8 | 19.8 | 22 | 24.2 | 1 | 31.9 | 47 |
| 1N6279A 1.5KE22A | 5 | 18.8 | 20.9 | 22 | 23.1 | 1 | 30.6 | 49 |
| 1N6280 1.5KE24 | 5 | 19.4 | 21.6 | 24 | 26.4 | 1 | 34.7 | 43 |
| 1N6280A 1.5KE24A | 5 | 20.5 | 22.8 | 24 | 25.2 | 1 | 33.2 | 45 |
| 1N6281 1.5KE27 | 5 | 21.8 | 24.3 | 27 | 29.7 | 1 | 39.1 | 38.5 |
| 1N6281A 1.5KE27A | 5 | 23.1 | 25.7 | 27 | 28.4 | 1 | 37.5 | 40 |
| 1N6282 1.5KE30 | 5 | 24.3 | 27.0 | 30 | 33.0 | 1 | 43.5 | 34.5 |
| 1N6282A 1.5KE30A | 5 | 25.6 | 28.5 | 30 | 31.5 | 1 | 41.4 | 36 |
| 1N6283 1.5KE33 | 5 | 26.8 | 29.7 | 33 | 36.3 | 1 | 47.7 | 31.5 |
| 1N6283A 1.5KE33A | 5 | 28.2 | 31.4 | 33 | 34.7 | 1 | 45.7 | 33 |
| 1N6284 1.5KE36 | 5 | 29.1 | 32.4 | 36 | 39.6 | 1 | 52.0 | 29 |
| 1N6284A 1.5KE36A | 5 | 30.8 | 34.2 | 36 | 37.8 | 1 | 49.9 | 30 |
| 1N6285 1.5KE39 | 5 | 31.6 | 35.1 | 39 | 42.9 | 1 | 56.4 | 26.5 |
| 1N6285A 1.5KE39A | 5 | 33.3 | 37.1 | 39 | 41.0 | 1 | 53.9 | 28 |
| 1N6286 1.5KE43 | 5 | 34.8 | 38.7 | 43 | 47.3 | 1 | 61.9 | 24 |
| 1N6286A 1.5KE43A | 5 | 36.8 | 40.9 | 43 | 45.2 | 1 | 59.3 | 25.3 |
| 1N6287 1.5KE47 | 5 | 38.1 | 42.3 | 47 | 51.7 | 1 | 67.8 | 22.2 |
| 1N6287A 1.5KE47A | 5 | 40.2 | 44.7 | 47 | 49.4 | 1 | 64.8 | 23.2 |
| 1N6288 1.5KE51 | 5 | 41.3 | 45.9 | 51 | 56.1 | 1 | 73.5 | 20.4 |
| 1N6288A 1.5KE51A | 5 | 43.6 | 48.5 | 51 | 53.6 | 1 | 70.1 | 21.4 |

(1) Tested with pulses.
 Pulse test: $t_p = 50$ ms; $< 2\%$



| Type | Maximum Reverse Leakage Current | | (1) Breakdown Voltage | | | | I_R (mA) | Max. Clamping Voltage | |
|---------|---------------------------------|--------------------|-----------------------|------|------|-----------------|---------------|---------------------------------------|------|
| | I_{RM} (μA) | at V_{RM} (V) | Min. | Nom. | Max. | V_{CL} (V) | | at I_{PP} max. 1ms. Expo. (A) | |
| 1N6289 | 1.5KE56 | 5 | 45.4 | 50.4 | 56 | 61.6 | 1 | 80.5 | 18.6 |
| 1N6289A | 1.5KE56A | 5 | 47.8 | 53.2 | 56 | 58.8 | 1 | 77.0 | 19.5 |
| 1N6290 | 1.5KE62 | 5 | 50.2 | 55.8 | 62 | 68.2 | 1 | 89.0 | 16.9 |
| 1N6290A | 1.5KE62A | 5 | 53.0 | 58.9 | 62 | 65.1 | 1 | 85.0 | 17.7 |
| 1N6291 | 1.5KE68 | 5 | 55.1 | 61.2 | 68 | 74.8 | 1 | 98.0 | 15.3 |
| 1N6291A | 1.5KE68A | 5 | 58.1 | 64.6 | 68 | 71.4 | 1 | 92.0 | 16.3 |
| 1N6292 | 1.5KE75 | 5 | 60.7 | 67.5 | 75 | 82.5 | 1 | 108 | 13.9 |
| 1N6292A | 1.5KE75A | 5 | 64.1 | 71.3 | 75 | 78.8 | 1 | 103 | 14.6 |
| 1N6293 | 1.5KE82 | 5 | 66.4 | 73.8 | 82 | 90.2 | 1 | 118 | 12.7 |
| 1N6293A | 1.5KE82A | 5 | 70.1 | 77.9 | 82 | 86.1 | 1 | 113 | 13.3 |
| 1N6294 | 1.5KE91 | 5 | 73.7 | 81.9 | 91 | 100 | 1 | 131 | 11.4 |
| 1N6294A | 1.5KE91A | 5 | 77.8 | 86.5 | 91 | 95.5 | 1 | 125 | 12 |
| 1N6295 | 1.5KE100 | 5 | 81.0 | 90.0 | 100 | 110 | 1 | 144 | 10.4 |
| 1N6295A | 1.5KE100A | 5 | 85.5 | 95.0 | 100 | 105 | 1 | 137 | 11 |
| 1N6296 | 1.5KE110 | 5 | 89.2 | 99.0 | 110 | 121 | 1 | 158 | 9.5 |
| 1N6296A | 1.5KE110A | 5 | 94.0 | 105 | 110 | 116 | 1 | 152 | 9.9 |
| 1N6297 | 1.5KE120 | 5 | 97.2 | 108 | 120 | 132 | 1 | 173 | 8.7 |
| 1N6297A | 1.5KE120A | 5 | 102 | 114 | 120 | 126 | 1 | 165 | 9.1 |
| 1N6298 | 1.5KE130 | 5 | 105 | 117 | 130 | 143 | 1 | 187 | 8 |
| 1N6298A | 1.5KE130A | 5 | 111 | 124 | 130 | 137 | 1 | 179 | 8.4 |
| 1N6299 | 1.5KE150 | 5 | 121 | 135 | 150 | 165 | 1 | 215 | 7 |
| 1N6299A | 1.5KE150A | 5 | 128 | 143 | 150 | 158 | 1 | 207 | 7.2 |
| 1N6300 | 1.5KE160 | 5 | 130 | 144 | 160 | 176 | 1 | 230 | 6.5 |
| 1N6300A | 1.5KE160A | 5 | 136 | 152 | 160 | 168 | 1 | 219 | 6.8 |
| 1N6301 | 1.5KE170 | 5 | 138 | 153 | 170 | 187 | 1 | 244 | 6.2 |
| 1N6301A | 1.5KE170A | 5 | 145 | 162 | 170 | 179 | 1 | 234 | 6.4 |
| 1N6302 | 1.5KE180 | 5 | 146 | 162 | 180 | 198 | 1 | 258 | 5.8 |
| 1N6302A | 1.5KE180A | 5 | 154 | 171 | 180 | 189 | 1 | 246 | 6.1 |
| 1N6303 | 1.5KE200 | 5 | 162 | 180 | 200 | 220 | 1 | 287 | 5.2 |
| 1N6303A | 1.5KE200A | 5 | 171 | 190 | 200 | 210 | 1 | 274 | 5.5 |
| | 1.5KE220 | 5 | 175 | 198 | 220 | 242 | 1 | 344 | 4.3 |
| | 1.5KE220A | 5 | 185 | 209 | 220 | 231 | 1 | 328 | 4.6 |
| | 1.5KE250 | 5 | 202 | 225 | 250 | 275 | 1 | 360 | 5 |
| | 1.5KE250A | 5 | 214 | 237 | 250 | 263 | 1 | 344 | 5 |
| | 1.5KE300 | 5 | 243 | 270 | 300 | 330 | 1 | 430 | 5 |
| | 1.5KE300A | 5 | 256 | 285 | 300 | 315 | 1 | 414 | 5 |
| | 1.5KE320 | 5 | 259 | 288 | 320 | 352 | 1 | 457 | 4.50 |
| | 1.5KE320A | 5 | 273 | 304 | 320 | 336 | 1 | 438 | 4.50 |
| | 1.5KE350 | 5 | 284 | 315 | 350 | 385 | 1 | 504 | 4 |
| | 1.5KE350A | 5 | 300 | 332 | 350 | 368 | 1 | 482 | 4 |
| | 1.5KE400 | 5 | 324 | 360 | 400 | 440 | 1 | 574 | 4 |
| | 1.5KE400A | 5 | 342 | 380 | 400 | 420 | 1 | 548 | 4 |
| | 1.5KE440 | 5 | 356 | 396 | 440 | 484 | 1 | 631 | 2.38 |
| | 1.5KE440A | 5 | 376 | 418 | 440 | 462 | 1 | 602 | 2.5 |

(1) Tested with pulses.
Pulse test: t_p 50 ms; $< 2\%$



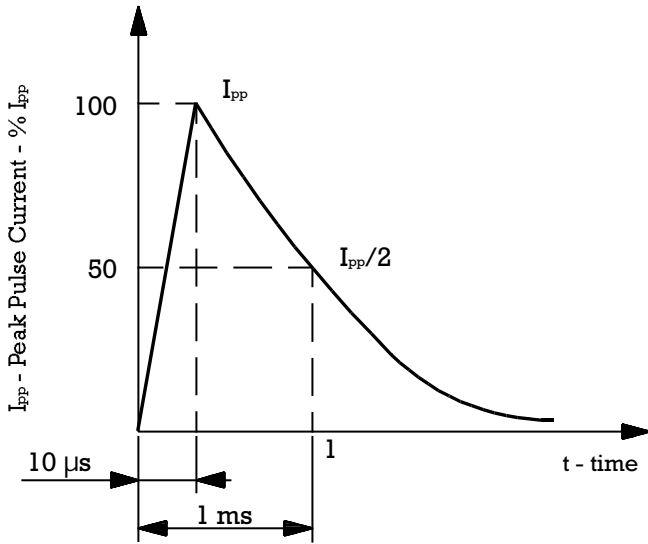
| Type | Maximum Reverse Leakage Current | | (1) Breakdown Voltage | | | | Max. Clamping Voltage | |
|---------------------|---------------------------------|------|-----------------------|------|------|----------------------|-----------------------|------|
| | I_{RM} at V_{RM} | | V_{BR} at I_R | | | V_{CL} at I_{PP} | max. lms. Expo. | |
| | (μ A) | (V) | Min. | Nom. | Max. | (mA) | (V) | (A) |
| Bidirectional | | | | | | | | |
| 1N6267C 1.5KE6V8C | 1000 | 5.50 | 6.12 | 6.8 | 7.48 | 10 | 10.8 | 139 |
| 1N6267C 1.5KE6V8CA | 1000 | 5.80 | 6.45 | 6.8 | 7.14 | 10 | 10.5 | 143 |
| 1N6268C 1.5KE7V5C | 500 | 6.05 | 6.75 | 7.5 | 8.25 | 10 | 11.7 | 128 |
| 1N6268CA 1.5KE7V5CA | 500 | 6.40 | 7.13 | 7.5 | 7.88 | 10 | 11.3 | 132 |
| 1N6269C 1.5KE8V2C | 200 | 6.63 | 7.38 | 8.2 | 9.02 | 10 | 12.5 | 120 |
| 1N6269CA 1.5KE8V2CA | 200 | 7.02 | 7.79 | 8.2 | 8.61 | 10 | 12.1 | 124 |
| 1N6270C 1.5KE9V1C | 50 | 7.37 | 8.19 | 9.1 | 10.0 | 1 | 13.8 | 109 |
| 1N6270CA 1.5KE9V1CA | 50 | 7.78 | 8.65 | 9.1 | 9.55 | 1 | 13.4 | 112 |
| 1N6271C 1.5KE10C | 10 | 8.10 | 9.00 | 10 | 11.0 | 1 | 15.0 | 100 |
| 1N6271CA 1.5KE10CA | 10 | 8.55 | 9.50 | 10 | 10.5 | 1 | 14.5 | 103 |
| 1N6272C 1.5KE11C | 5 | 8.92 | 9.90 | 11 | 12.1 | 1 | 16.2 | 93 |
| 1N6272CA 1.5KE11CA | 5 | 9.40 | 10.5 | 11 | 11.6 | 1 | 15.6 | 96 |
| 1N6273C 1.5KE12C | 5 | 9.72 | 10.8 | 12 | 13.2 | 1 | 17.3 | 87 |
| 1N6273CA 1.5KE12CA | 5 | 10.2 | 11.4 | 12 | 12.6 | 1 | 16.7 | 90 |
| 1N6274C 1.5KE13C | 5 | 10.5 | 11.7 | 13 | 14.3 | 1 | 19.0 | 79 |
| 1N6274CA 1.5KE13CA | 5 | 11.1 | 12.4 | 13 | 13.7 | 1 | 18.2 | 82 |
| 1N6275C 1.5KE15C | 5 | 12.1 | 13.5 | 15 | 16.5 | 1 | 22.0 | 68 |
| 1N6275CA 1.5KE15CA | 5 | 12.8 | 14.3 | 15 | 15.8 | 1 | 21.2 | 71 |
| 1N6276C 1.5KE16C | 5 | 12.9 | 14.4 | 16 | 17.6 | 1 | 23.5 | 64 |
| 1N6276CA 1.5KE16CA | 5 | 13.6 | 15.2 | 16 | 16.8 | 1 | 22.5 | 67 |
| 1N6277C 1.5KE18C | 5 | 14.5 | 16.2 | 18 | 19.8 | 1 | 26.5 | 56.5 |
| 1N6277CA 1.5KE18CA | 5 | 15.3 | 17.1 | 18 | 18.9 | 1 | 25.5 | 59.5 |
| 1N6278C 1.5KE20C | 5 | 16.2 | 18.0 | 20 | 22.0 | 1 | 29.1 | 51.5 |
| 1N6278CA 1.5KE20CA | 5 | 17.1 | 19.0 | 20 | 21.0 | 1 | 27.7 | 54 |
| 1N6279C 1.5KE22C | 5 | 17.8 | 19.8 | 22 | 24.2 | 1 | 31.9 | 47 |
| 1N6279CA 1.5KE22CA | 5 | 18.8 | 20.9 | 22 | 23.1 | 1 | 30.6 | 49 |
| 1N6280C 1.5KE24C | 5 | 19.4 | 21.6 | 24 | 26.4 | 1 | 34.7 | 43 |
| 1N6280CA 1.5KE24CA | 5 | 20.5 | 22.8 | 24 | 25.2 | 1 | 33.2 | 45 |
| 1N6281C 1.5KE27C | 5 | 21.8 | 24.3 | 27 | 29.7 | 1 | 39.1 | 38.5 |
| 1N6281CA 1.5KE27CA | 5 | 23.1 | 25.7 | 27 | 28.4 | 1 | 37.5 | 40 |
| 1N6282C 1.5KE30C | 5 | 24.3 | 27.0 | 30 | 33.0 | 1 | 43.5 | 34.5 |
| 1N6282CA 1.5KE30CA | 5 | 25.6 | 28.5 | 30 | 31.5 | 1 | 41.4 | 36 |
| 1N6283C 1.5KE33C | 5 | 26.8 | 29.7 | 33 | 36.3 | 1 | 47.7 | 31.5 |
| 1N6283CA 1.5KE33CA | 5 | 28.2 | 31.4 | 33 | 34.7 | 1 | 45.7 | 33 |
| 1N6284C 1.5KE36C | 5 | 29.1 | 32.4 | 36 | 39.6 | 1 | 52.0 | 29 |
| 1N6284CA 1.5KE36CA | 5 | 30.8 | 34.2 | 36 | 37.8 | 1 | 49.9 | 30 |
| 1N6285C 1.5KE39C | 5 | 31.6 | 35.1 | 39 | 42.9 | 1 | 56.4 | 26.5 |
| 1N6285CA 1.5KE39CA | 5 | 33.3 | 37.1 | 39 | 41.0 | 1 | 53.9 | 28 |
| 1N6286C 1.5KE43C | 5 | 34.8 | 38.7 | 43 | 47.3 | 1 | 61.9 | 24 |
| 1N6286CA 1.5KE43CA | 5 | 36.8 | 40.9 | 43 | 45.2 | 1 | 59.3 | 25.3 |
| 1N6287C 1.5KE47C | 5 | 38.1 | 42.3 | 47 | 51.7 | 1 | 67.8 | 22.2 |
| 1N6287CA 1.5KE47CA | 5 | 40.2 | 44.7 | 47 | 49.4 | 1 | 64.8 | 23.2 |
| 1N6288C 1.5KE51C | 5 | 41.3 | 45.9 | 51 | 56.1 | 1 | 73.5 | 20.4 |
| 1N6288CA 1.5KE51CA | 5 | 43.6 | 48.5 | 51 | 53.6 | 1 | 70.1 | 21.4 |

(1) Tested with pulses.
Pulse test: t_p 50 ms; $< 2\%$



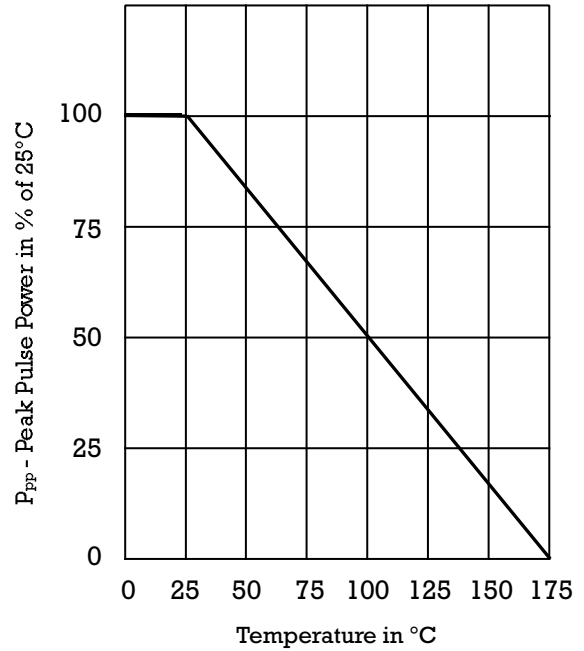
| Type | Maximum Reverse Leakage Current | | (1) Breakdown Voltage | | | | Max. Clamping Voltage | |
|---------------------|---------------------------------|----------|-----------------------|------|------|-------|-----------------------|----------|
| | I_{RM} at V_{RM} | V_{RM} | V_{BR} at I_R | | | I_R | V_{CL} at I_{PP} | I_{PP} |
| Bidirectional | (μA) | (V) | Min. | Nom. | Max. | (mA) | (V) | (A) |
| 1N6289C 1.5KE56C | 5 | 45.4 | 50.4 | 56 | 61.6 | 1 | 80.5 | 18.6 |
| 1N6289CA 1.5KE56CA | 5 | 47.8 | 53.2 | 56 | 58.8 | 1 | 77.0 | 19.5 |
| 1N6290C 1.5KE62C | 5 | 50.2 | 55.8 | 62 | 68.2 | 1 | 89.0 | 16.9 |
| 1N6290CA 1.5KE62CA | 5 | 53.0 | 58.9 | 62 | 65.1 | 1 | 85.0 | 17.7 |
| 1N6291C 1.5KE68C | 5 | 55.1 | 61.2 | 68 | 74.8 | 1 | 98.0 | 15.3 |
| 1N6291CA 1.5KE68CA | 5 | 58.1 | 64.6 | 68 | 71.4 | 1 | 92.0 | 16.3 |
| 1N6292C 1.5KE75C | 5 | 60.7 | 67.5 | 75 | 82.5 | 1 | 108 | 13.9 |
| 1N6292CA 1.5KE75CA | 5 | 64.1 | 71.3 | 75 | 78.8 | 1 | 103 | 14.6 |
| 1N6293C 1.5KE82C | 5 | 66.4 | 73.8 | 82 | 90.2 | 1 | 118 | 12.7 |
| 1N6293CA 1.5KE82CA | 5 | 70.1 | 77.9 | 82 | 86.1 | 1 | 113 | 13.3 |
| 1N6294C 1.5KE91C | 5 | 73.7 | 81.9 | 91 | 100 | 1 | 131 | 11.4 |
| 1N6294CA 1.5KE91CA | 5 | 77.8 | 86.5 | 91 | 95.5 | 1 | 125 | 12 |
| 1N6295C 1.5KE100C | 5 | 81.0 | 90.0 | 100 | 110 | 1 | 144 | 10.4 |
| 1N6295CA 1.5KE100CA | 5 | 85.5 | 95.0 | 100 | 105 | 1 | 137 | 11 |
| 1N6296C 1.5KE110C | 5 | 89.2 | 99.0 | 110 | 121 | 1 | 158 | 9.5 |
| 1N6296CA 1.5KE110CA | 5 | 94.0 | 105 | 110 | 116 | 1 | 152 | 9.9 |
| 1N6297C 1.5KE120C | 5 | 97.2 | 108 | 120 | 132 | 1 | 173 | 8.7 |
| 1N6297CA 1.5KE120CA | 5 | 102 | 114 | 120 | 126 | 1 | 165 | 9.1 |
| 1N6298C 1.5KE130C | 5 | 105 | 117 | 130 | 143 | 1 | 187 | 8 |
| 1N6298CA 1.5KE130CA | 5 | 111 | 124 | 130 | 137 | 1 | 179 | 8.4 |
| 1N6299C 1.5KE150C | 5 | 121 | 135 | 150 | 165 | 1 | 215 | 7 |
| 1N6299CA 1.5KE150CA | 5 | 128 | 143 | 150 | 158 | 1 | 207 | 7.2 |
| 1N6300C 1.5KE160C | 5 | 130 | 144 | 160 | 176 | 1 | 230 | 6.5 |
| 1N6300CA 1.5KE160CA | 5 | 136 | 152 | 160 | 168 | 1 | 219 | 6.8 |
| 1N6301C 1.5KE170C | 5 | 138 | 153 | 170 | 187 | 1 | 244 | 6.2 |
| 1N6301CA 1.5KE170CA | 5 | 145 | 162 | 170 | 179 | 1 | 234 | 6.4 |
| 1N6302C 1.5KE180C | 5 | 146 | 162 | 180 | 198 | 1 | 258 | 5.8 |
| 1N6302CA 1.5KE180CA | 5 | 154 | 171 | 180 | 189 | 1 | 246 | 6.1 |
| 1N6303C 1.5KE200C | 5 | 162 | 180 | 200 | 220 | 1 | 287 | 5.2 |
| 1N6303CA 1.5KE200CA | 5 | 171 | 190 | 200 | 210 | 1 | 274 | 5.5 |
| 1.5KE220C | 5 | 175 | 198 | 220 | 242 | 1 | 344 | 4.3 |
| 1.5KE220CA | 5 | 185 | 209 | 220 | 231 | 1 | 328 | 4.6 |
| 1.5KE250C | 5 | 202 | 225 | 250 | 275 | 1 | 360 | 5 |
| 1.5KE250CA | 5 | 214 | 237 | 250 | 263 | 1 | 344 | 5 |
| 1.5KE300C | 5 | 243 | 270 | 300 | 330 | 1 | 430 | 5 |
| 1.5KE300CA | 5 | 256 | 285 | 300 | 315 | 1 | 414 | 5 |
| 1.5KE320C | 5 | 259 | 288 | 320 | 352 | 1 | 457 | 4.50 |
| 1.5KE320CA | 5 | 273 | 304 | 320 | 336 | 1 | 438 | 4.50 |
| 1.5KE350C | 5 | 284 | 315 | 350 | 385 | 1 | 504 | 4 |
| 1.5KE350CA | 5 | 300 | 332 | 350 | 368 | 1 | 482 | 4 |
| 1.5KE400C | 5 | 324 | 360 | 400 | 440 | 1 | 574 | 4 |
| 1.5KE400CA | 5 | 342 | 380 | 400 | 420 | 1 | 548 | 4 |
| 1.5KE440C | 5 | 356 | 396 | 440 | 484 | 1 | 631 | 2.38 |
| 1.5KE440CA | 5 | 376 | 418 | 440 | 462 | 1 | 602 | 2.5 |

(1) Tested with pulses.
Pulse test: $t_p = 50 \text{ ms}$; $< 2\%$

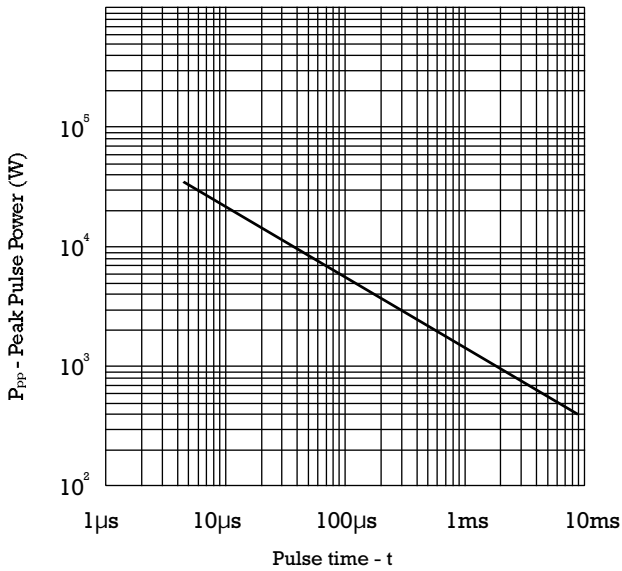


Pulse wave form 10/1000

DERATING CURVE



PEAK PULSE POWER RATING CURVE



TYPICAL JUNCTION CAPACITANCE

