

P4KE SERIES

CASE : DO-41

| PART NO. | Breakdown Voltage | | | Reverse Stand off Voltage V_{WR} (Volts) | Maximum Reverse Leakage at V_{WR} $I_{o(nA)}$ | Maximum Peak Pulse Current I_{PPM} (Amps) | Maximum Clamping Voltage at I_{PPM} V_C (Volts) | Maximum Temperature Coefficient of V_{BR} (% C) |
|----------|---------------------|------|----------------|--|--|---|--|--|
| | V_{BR} (Volts) | | $@I_T$ (nA) | | | | | |
| | MIN. | MAX. | | | | | | |
| P4KE6.8 | 6.12 | 7.48 | 10 | 5.50 | 1000 | 38 | 10.8 | 0.057 |
| P4KE6.8A | 6.45 | 7.14 | 10 | 5.80 | 1000 | 40 | 10.5 | 0.057 |
| P4KE7.5 | 6.75 | 8.25 | 10 | 6.05 | 500 | 36 | 11.7 | 0.061 |
| P4KE7.5A | 7.13 | 7.88 | 10 | 6.40 | 500 | 37 | 11.3 | 0.061 |
| P4KE8.2 | 7.38 | 9.02 | 10 | 6.63 | 200 | 33 | 12.5 | 0.065 |
| P4KE8.2A | 7.79 | 8.61 | 10 | 7.02 | 200 | 35 | 12.1 | 0.065 |
| P4KE9.1 | 8.19 | 10.0 | 1.0 | 7.37 | 50 | 30 | 13.8 | 0.068 |
| P4KE9.1A | 8.65 | 9.55 | 1.0 | 7.78 | 50 | 31 | 13.4 | 0.068 |
| P4KE10 | 9.00 | 11.0 | 1.0 | 8.10 | 10 | 28 | 15.0 | 0.073 |
| P4KE10A | 9.50 | 10.5 | 1.0 | 8.55 | 10 | 29 | 14.5 | 0.073 |
| P4KE11 | 9.90 | 12.1 | 1.0 | 8.92 | 5.0 | 26 | 16.2 | 0.075 |
| P4KE11A | 10.5 | 11.6 | 1.0 | 9.40 | 5.0 | 27 | 15.6 | 0.075 |
| P4KE12 | 10.8 | 13.2 | 1.0 | 9.72 | 5.0 | 24 | 17.3 | 0.076 |
| P4KE12A | 11.4 | 12.6 | 1.0 | 10.2 | 5.0 | 25 | 16.7 | 0.078 |
| P4KE13 | 11.7 | 14.3 | 1.0 | 10.5 | 5.0 | 22 | 19.0 | 0.081 |
| P4KE13A | 12.4 | 13.7 | 1.0 | 11.1 | 5.0 | 23 | 18.2 | 0.081 |
| P4KE15 | 13.5 | 16.3 | 1.0 | 12.1 | 5.0 | 19 | 22.0 | 0.084 |
| P4KE15A | 14.3 | 15.8 | 1.0 | 12.8 | 5.0 | 20 | 21.2 | 0.084 |
| P4KE16 | 14.4 | 17.6 | 1.0 | 12.9 | 5.0 | 18 | 23.5 | 0.086 |
| P4KE16A | 15.2 | 16.8 | 1.0 | 13.6 | 5.0 | 19 | 22.5 | 0.086 |
| P4KE18 | 16.2 | 19.8 | 1.0 | 14.5 | 5.0 | 16 | 26.5 | 0.088 |
| P4KE18A | 17.1 | 18.9 | 1.0 | 15.3 | 5.0 | 17 | 25.5 | 0.088 |
| P4KE20 | 18.0 | 22.0 | 1.0 | 16.2 | 5.0 | 14 | 29.1 | 0.090 |
| P4KE20A | 19.0 | 21.0 | 1.0 | 17.1 | 5.0 | 15 | 27.7 | 0.090 |
| P4KE22 | 19.8 | 24.2 | 1.0 | 17.8 | 5.0 | 13 | 31.9 | 0.092 |
| P4KE22A | 20.9 | 23.1 | 1.0 | 18.8 | 5.0 | 14 | 30.6 | 0.092 |
| P4KE24 | 21.6 | 26.4 | 1.0 | 19.4 | 5.0 | 12 | 34.7 | 0.094 |
| P4KE24A | 22.8 | 25.2 | 1.0 | 20.5 | 5.0 | 13 | 33.2 | 0.094 |
| P4KE27 | 24.3 | 29.7 | 1.0 | 21.8 | 5.0 | 11 | 39.1 | 0.096 |
| P4KE27A | 25.7 | 28.4 | 1.0 | 23.1 | 5.0 | 11.2 | 37.5 | 0.096 |
| P4KE30 | 27.0 | 33.0 | 1.0 | 24.3 | 5.0 | 10 | 43.5 | 0.097 |
| P4KE30A | 28.5 | 31.5 | 1.0 | 25.6 | 5.0 | 10 | 41.4 | 0.097 |
| P4KE33 | 29.7 | 36.3 | 1.0 | 26.8 | 5.0 | 9 | 47.7 | 0.098 |
| P4KE33A | 31.4 | 34.7 | 1.0 | 28.2 | 5.0 | 9 | 45.7 | 0.098 |
| P4KE36 | 32.4 | 39.6 | 1.0 | 29.1 | 5.0 | 8 | 52.0 | 0.099 |
| P4KE36A | 34.2 | 37.8 | 1.0 | 30.8 | 5.0 | 8.4 | 49.9 | 0.099 |
| P4KE39 | 35.1 | 42.9 | 1.0 | 31.6 | 5.0 | 7.4 | 56.4 | 0.100 |
| P4KE39A | 37.1 | 41.0 | 1.0 | 33.3 | 5.0 | 7.8 | 53.9 | 0.100 |
| P4KE43 | 38.7 | 47.3 | 1.0 | 34.8 | 5.0 | 6.8 | 61.9 | 0.101 |
| P4KE43A | 40.9 | 45.2 | 1.0 | 36.8 | 5.0 | 7.1 | 59.3 | 0.101 |
| P4KE47 | 42.3 | 51.7 | 1.0 | 38.1 | 5.0 | 6.2 | 67.8 | 0.101 |
| P4KE47A | 44.7 | 49.4 | 1.0 | 40.2 | 5.0 | 5.0 | 64.8 | 0.101 |
| P4KE51 | 45.9 | 56.1 | 1.0 | 41.3 | 5.0 | 5.7 | 73.5 | 0.102 |
| P4KE51A | 48.5 | 53.6 | 1.0 | 43.6 | 5.0 | 6.0 | 70.1 | 0.102 |
| P4KE56 | 50.4 | 61.6 | 1.0 | 45.4 | 5.0 | 5.2 | 80.5 | 0.103 |
| P4KE56A | 53.2 | 58.8 | 1.0 | 47.8 | 5.0 | 5.5 | 77.0 | 0.103 |
| P4KE62 | 55.8 | 68.2 | 1.0 | 50.2 | 5.0 | 4.7 | 89.0 | 0.104 |
| P4KE62A | 58.9 | 65.1 | 1.0 | 53.0 | 5.0 | 5.0 | 85.0 | 0.104 |

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CASE : DO-41

P4KE SERIES

| PART NO. | Breakdown Voltage | | I_{T} (mA) | Reverse Stand off Voltage V_{RM} (Volts) | Maximum Reverse Leakage at V_{RM} I_{R} (μ A) | Maximum Peak Pulse Current I_{PPM} (Amps) | Maximum Clamping Voltage at I_{PPM} V_C (Volts) | Maximum Temperature Coefficient of V_{BR} (% C) |
|----------|---------------------|------|-----------------|--|---|---|--|--|
| | V_{BR} (Volts) | | | | | | | |
| | MIN. | MAX. | | | | | | |
| P4KE66 | 61.2 | 74.8 | 1.0 | 53.1 | 5.0 | 4.3 | 98.0 | 0.104 |
| P4KE66A | 64.6 | 71.4 | 1.0 | 58.1 | 5.0 | 4.6 | 92.0 | 0.104 |
| P4KE75 | 67.5 | 82.5 | 1.0 | 60.7 | 5.0 | 3.9 | 108 | 0.105 |
| P4KE75A | 71.3 | 78.8 | 1.0 | 64.1 | 5.0 | 4.1 | 103 | 0.105 |
| P4KE82 | 73.8 | 90.2 | 1.0 | 66.4 | 5.0 | 3.6 | 118 | 0.105 |
| P4KE82A | 77.9 | 86.1 | 1.0 | 70.1 | 5.0 | 3.7 | 113 | 0.105 |
| P4KE91 | 81.9 | 100 | 1.0 | 73.7 | 5.0 | 3.2 | 131 | 0.106 |
| P4KE91A | 86.5 | 95.5 | 1.0 | 77.8 | 5.0 | 3.4 | 125 | 0.106 |
| P4KE100 | 90.0 | 110 | 1.0 | 81.0 | 5.0 | 2.9 | 144 | 0.106 |
| P4KE100A | 95.0 | 105 | 1.0 | 85.5 | 5.0 | 3.1 | 137 | 0.106 |
| P4KE110 | 99.0 | 121 | 1.0 | 89.2 | 5.0 | 2.7 | 158 | 0.107 |
| P4KE110A | 105 | 116 | 1.0 | 94.0 | 5.0 | 2.8 | 152 | 0.107 |
| P4KE120 | 108 | 132 | 1.0 | 97.2 | 5.0 | 2.4 | 173 | 0.107 |
| P4KE120A | 114 | 126 | 1.0 | 102 | 5.0 | 2.5 | 165 | 0.107 |
| P4KE130 | 117 | 143 | 1.0 | 105 | 5.0 | 2.2 | 187 | 0.107 |
| P4KE130A | 124 | 137 | 1.0 | 111 | 5.0 | 2.3 | 179 | 0.107 |
| P4KE150 | 135 | 165 | 1.0 | 121 | 5.0 | 2.0 | 215 | 0.108 |
| P4KE150A | 143 | 158 | 1.0 | 128 | 5.0 | 2.0 | 207 | 0.108 |
| P4KE160 | 144 | 176 | 1.0 | 130 | 5.0 | 1.8 | 230 | 0.108 |
| P4KE160A | 152 | 168 | 1.0 | 136 | 5.0 | 1.9 | 219 | 0.108 |
| P4KE170 | 153 | 187 | 1.0 | 138 | 5.0 | 1.7 | 244 | 0.108 |
| P4KE170A | 162 | 179 | 1.0 | 145 | 5.0 | 1.8 | 234 | 0.108 |
| P4KE180 | 162 | 198 | 1.0 | 146 | 5.0 | 1.6 | 258 | 0.108 |
| P4KE180A | 171 | 189 | 1.0 | 154 | 5.0 | 1.7 | 246 | 0.108 |
| P4KE200 | 180 | 220 | 1.0 | 162 | 5.0 | 1.5 | 287 | 0.108 |
| P4KE200A | 190 | 210 | 1.0 | 171 | 5.0 | 1.53 | 274 | 0.108 |
| P4KE220 | 198 | 242 | 1.0 | 175 | 5.0 | 1.16 | 344 | 0.108 |
| P4KE220A | 209 | 231 | 1.0 | 185 | 5.0 | 1.22 | 328 | 0.108 |
| P4KE250 | 225 | 275 | 1.0 | 202 | 5.0 | 1.11 | 360 | 0.110 |
| P4KE250A | 237 | 267 | 1.0 | 214 | 5.0 | 1.16 | 344 | 0.110 |
| P4KE300 | 270 | 330 | 1.0 | 243 | 5.0 | 0.93 | 430 | 0.110 |
| P4KE300A | 285 | 315 | 1.0 | 256 | 5.0 | 0.97 | 414 | 0.110 |
| P4KE350 | 315 | 385 | 1.0 | 284 | 5.0 | 0.79 | 504 | 0.110 |
| P4KE350A | 332 | 368 | 1.0 | 300 | 5.0 | 0.83 | 482 | 0.110 |
| P4KE400 | 360 | 440 | 1.0 | 324 | 5.0 | 0.70 | 574 | 0.110 |
| P4KE400A | 380 | 420 | 1.0 | 342 | 5.0 | 0.73 | 548 | 0.110 |

NOTES: 1. V_{BR} measured after I_T applied for 300ms. I_T = square wave pulse or equivalent.

2. For bidirectional use C or CA suffixs for all types(ex. P4KE6.8C,P4KE400CA) electrical characteristics apply in both directions.

3. For bidirectional types having V_R of 10 volts and less, the I_D limit is doubled.

4. Whole voltage range is available in SMA and MELF packages.

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