


| | |
|---|----------------|
|  | E480232 |
|---|----------------|

Features

- Economical Series
- Available in Both Unidirectional and Bidirectional construction and Suffix "C" Designates Bidirectional Type
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Mechanical Data

- Weight: 0.4 Gram(Appx.).
- Mounting Position: Any.
- Polarity: Banded Denotes Cathode. Bidirectional Not Marked.

Application

- Use in Sensitive Electronics Protection Against Voltage Transients Induced by Inductive Load Switching and Lighting on ICs, MOSFET, Signal Lines of Sensor Units for Consumer, Computer, Industrial, Automotive and Telecommunication.

Maximum Ratings

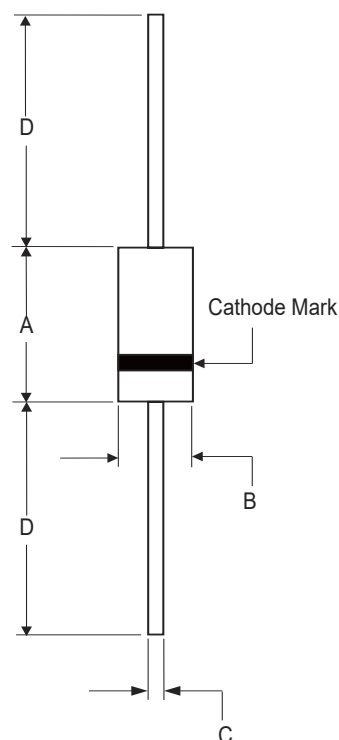
- 3/8" Lead Length
- Operating Junction Temperature Range: -55°C to +175°C
- Storage Temperature Range: -55°C to +175°C

| | | | |
|--|--|-------|----------------------|
| Peak Pulse Power Dissipation | P _{PP} | 600W | T _A =25°C |
| Steady State Power Dissipation | P _D | 5.0 W | T _L =75°C |
| t _{clamping} (0 Volts to V _(BR) Min) | Unidirectional 1×10^{-12} Seconds; | | |
| | Bidirectional 5×10^{-9} Seconds | | |

1.High Temperature Solder Exemption Applied, see EU Directive Annex 7a.

**600WATTS TVS
6.8 to 600 VOLTS**

DO-15



| DIM | INCHES | | MM | | NOTE |
|-----|--------|-------|-------|-------|------|
| | 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 | 0.035 | 0.70 | 0.90 | |
| D | 1.000 | ----- | 25.40 | ----- | |

| MCC PART NUMBER | BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS) | | | TEST CURRENT I_T | RATED STANDOFF VOLTAGE V_{WM} | MAXIMUM REVERSE LEAKAGE $I_D @ V_{WM}$ | MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$ | MAXIMUM PEAK PULSE CURRENT I_{PP} | MAX. TEMP COEFFICIENT OF VBR $V_{(BR)} (TA)$ -55°C TO 100°C |
|-----------------|--|-----|------|--------------------|---------------------------------|--|---|-------------------------------------|--|
| | MIN | NOM | MAX | | | | | | |
| P6KE6.8 | 6.12 | 6.8 | 7.48 | 10 | 5.5 | 1000 | 10.8 | 56 | 0.057 |
| P6KE6.8A | 6.45 | 6.8 | 7.14 | 10 | 5.8 | 1000 | 10.5 | 57 | 0.057 |
| P6KE7.5 | 6.75 | 7.5 | 8.25 | 10 | 6.05 | 500 | 11.7 | 51 | 0.061 |
| P6KE7.5A | 7.13 | 7.5 | 7.88 | 10 | 6.4 | 500 | 11.3 | 53 | 0.061 |
| P6KE8.2 | 7.38 | 8.2 | 9.02 | 10 | 6.63 | 200 | 12.5 | 48 | 0.065 |
| P6KE8.2A | 7.79 | 8.2 | 8.61 | 10 | 7.02 | 200 | 12.1 | 50 | 0.065 |
| P6KE9.1 | 8.19 | 9.1 | 10 | 1 | 7.37 | 50 | 13.8 | 44 | 0.068 |
| P6KE9.1A | 8.65 | 9.1 | 9.55 | 1 | 7.78 | 50 | 13.4 | 45 | 0.068 |
| P6KE10 | 9.0 | 10 | 11 | 1 | 8.1 | 10 | 15 | 40 | 0.073 |
| P6KE10A | 9.5 | 10 | 10.5 | 1 | 8.55 | 10 | 14.5 | 41 | 0.073 |
| P6KE11 | 9.9 | 11 | 12.1 | 1 | 8.92 | 5 | 16.2 | 37 | 0.075 |
| P6KE11A | 10.5 | 11 | 11.6 | 1 | 9.4 | 5 | 15.6 | 38 | 0.075 |
| P6KE12 | 10.8 | 12 | 13.2 | 1 | 9.72 | 5 | 17.3 | 35 | 0.078 |
| P6KE12A | 11.4 | 12 | 12.6 | 1 | 10.2 | 5 | 16.7 | 36 | 0.078 |
| P6KE13 | 11.7 | 13 | 14.3 | 1 | 10.5 | 1 | 19 | 32 | 0.081 |
| P6KE13A | 12.4 | 13 | 13.7 | 1 | 11.1 | 1 | 18.2 | 33 | 0.081 |
| P6KE15 | 13.5 | 15 | 16.5 | 1 | 12.1 | 1 | 22 | 27 | 0.084 |
| P6KE15A | 14.3 | 15 | 15.8 | 1 | 12.8 | 1 | 21.2 | 28 | 0.084 |
| P6KE16 | 14.4 | 16 | 17.6 | 1 | 12.9 | 1 | 23.5 | 26 | 0.086 |
| P6KE16A | 15.2 | 16 | 16.8 | 1 | 13.6 | 1 | 22.5 | 27 | 0.086 |
| P6KE18 | 16.2 | 18 | 19.8 | 1 | 14.5 | 1 | 26.5 | 23 | 0.088 |
| P6KE18A | 17.1 | 18 | 18.9 | 1 | 15.3 | 1 | 25.2 | 24 | 0.088 |
| P6KE20 | 18 | 20 | 22 | 1 | 16.2 | 1 | 29.1 | 21 | 0.090 |
| P6KE20A | 19 | 20 | 21 | 1 | 17.1 | 1 | 27.7 | 22 | 0.090 |
| P6KE22 | 19.8 | 22 | 24.2 | 1 | 17.8 | 1 | 31.9 | 19 | 0.092 |
| P6KE22A | 20.9 | 22 | 23.1 | 1 | 18.8 | 1 | 30.6 | 20 | 0.092 |
| P6KE24 | 21.6 | 24 | 26.4 | 1 | 19.4 | 1 | 34.7 | 17 | 0.094 |
| P6KE24A | 22.8 | 24 | 25.2 | 1 | 20.5 | 1 | 33.2 | 18 | 0.094 |
| P6KE27 | 24.3 | 27 | 29.7 | 1 | 21.8 | 1 | 39.1 | 15 | 0.096 |
| P6KE27A | 25.7 | 27 | 28.4 | 1 | 23.1 | 1 | 37.5 | 16 | 0.096 |
| P6KE30 | 27 | 30 | 33 | 1 | 24.3 | 1 | 43.5 | 14 | 0.097 |
| P6KE30A | 28.5 | 30 | 31.5 | 1 | 25.6 | 1 | 41.4 | 14.4 | 0.097 |
| P6KE33 | 29.7 | 33 | 36.3 | 1 | 26.8 | 1 | 47.7 | 12.6 | 0.098 |
| P6KE33A | 31.4 | 33 | 34.7 | 1 | 28.2 | 1 | 45.7 | 13.2 | 0.098 |
| P6KE36 | 32.4 | 36 | 39.6 | 1 | 29.1 | 1 | 52 | 11.6 | 0.099 |
| P6KE36A | 34.2 | 36 | 37.8 | 1 | 30.8 | 1 | 49.9 | 12 | 0.099 |
| P6KE39 | 35.1 | 39 | 42.9 | 1 | 31.6 | 1 | 56.4 | 10.6 | 0.100 |
| P6KE39A | 37.1 | 39 | 41 | 1 | 33.3 | 1 | 53.9 | 11.2 | 0.100 |
| P6KE43 | 38.7 | 43 | 47.3 | 1 | 34.8 | 1 | 61.9 | 9.6 | 0.101 |
| P6KE43A | 40.9 | 43 | 45.2 | 1 | 36.8 | 1 | 59.3 | 10.1 | 0.101 |
| P6KE47 | 42.3 | 47 | 51.7 | 1 | 38.1 | 1 | 67.8 | 8.9 | 0.101 |
| P6KE47A | 44.7 | 47 | 49.4 | 1 | 40.2 | 1 | 64.8 | 9.3 | 0.101 |
| P6KE51 | 45.9 | 51 | 56.1 | 1 | 41.3 | 1 | 73.5 | 8.2 | 0.102 |
| P6KE51A | 48.5 | 51 | 53.6 | 1 | 43.6 | 1 | 70.1 | 8.6 | 0.102 |
| P6KE56 | 50.4 | 56 | 61.6 | 1 | 45.4 | 1 | 80.5 | 7.4 | 0.103 |
| P6KE56A | 53.2 | 56 | 58.8 | 1 | 47.8 | 1 | 77 | 7.8 | 0.103 |
| P6KE62 | 55.8 | 62 | 68.2 | 1 | 50.2 | 1 | 89 | 6.8 | 0.104 |

| MCC PART NUMBER | BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS) | | | TEST CURRENT I_T mADC | RATED STANDOFF VOLTAGE V_{WM} V | MAXIMUM REVERSE LEAKAGE $I_D @ V_{WM}$ (μ A) | MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$ V | MAXIMUM PEAK PULSE CURRENT I_{PP} A | MAX. TEMP COEFFICIENT OF VBR $V_{(BR)} (TA)$ -55°C TO 100°C % / °C |
|-----------------|--|-----|------|-------------------------------|---|---|---|---|---|
| | MIN | NOM | MAX | | | | | | |
| P6KE62A | 58.9 | 62 | 65.1 | 1 | 53 | 1 | 85 | 7.1 | 0.104 |
| P6KE68 | 61.2 | 68 | 74.8 | 1 | 55.1 | 1 | 98 | 6.1 | 0.104 |
| P6KE68A | 64.6 | 68 | 71.4 | 1 | 58.1 | 1 | 92 | 6.5 | 0.104 |
| P6KE75 | 67.5 | 75 | 82.5 | 1 | 60.7 | 1 | 108 | 5.5 | 0.105 |
| P6KE75A | 71.3 | 75 | 78.8 | 1 | 64.1 | 1 | 103 | 5.8 | 0.105 |
| P6KE82 | 73.8 | 82 | 90.2 | 1 | 66.4 | 1 | 118 | 5.1 | 0.105 |
| P6KE82A | 77.9 | 82 | 86.1 | 1 | 70.1 | 1 | 113 | 5.3 | 0.105 |
| P6KE91 | 81.9 | 91 | 100 | 1 | 73.7 | 1 | 131 | 4.5 | 0.106 |
| P6KE91A | 86.5 | 91 | 95.5 | 1 | 77.8 | 1 | 125 | 4.8 | 0.106 |
| P6KE100 | 90 | 100 | 110 | 1 | 81 | 1 | 144 | 4.2 | 0.106 |
| P6KE100A | 95 | 100 | 105 | 1 | 85.5 | 1 | 137 | 4.4 | 0.106 |
| P6KE110 | 99 | 110 | 121 | 1 | 89.2 | 1 | 158 | 3.8 | 0.107 |
| P6KE110A | 105 | 110 | 116 | 1 | 94 | 1 | 152 | 4.0 | 0.107 |
| P6KE120 | 108 | 120 | 132 | 1 | 97.2 | 1 | 173 | 3.5 | 0.107 |
| P6KE120A | 114 | 120 | 126 | 1 | 102 | 1 | 165 | 3.6 | 0.107 |
| P6KE130 | 117 | 130 | 143 | 1 | 105 | 1 | 187 | 3.2 | 0.108 |
| P6KE130A | 124 | 130 | 137 | 1 | 111 | 1 | 179 | 3.3 | 0.108 |
| P6KE150 | 135 | 150 | 165 | 1 | 121 | 1 | 215 | 2.8 | 0.108 |
| P6KE150A | 143 | 150 | 158 | 1 | 128 | 1 | 207 | 2.9 | 0.108 |
| P6KE160 | 144 | 160 | 176 | 1 | 130 | 1 | 230 | 2.6 | 0.108 |
| P6KE160A | 152 | 160 | 168 | 1 | 136 | 1 | 219 | 2.7 | 0.108 |
| P6KE170 | 153 | 170 | 187 | 1 | 138 | 1 | 244 | 2.5 | 0.108 |
| P6KE170A | 161 | 170 | 179 | 1 | 145 | 1 | 234 | 2.6 | 0.108 |
| P6KE180 | 162 | 180 | 198 | 1 | 146 | 1 | 258 | 2.3 | 0.108 |
| P6KE180A | 171 | 180 | 189 | 1 | 154 | 1 | 246 | 2.4 | 0.108 |
| P6KE200 | 180 | 200 | 220 | 1 | 162 | 1 | 287 | 2.1 | 0.108 |
| P6KE200A | 190 | 200 | 210 | 1 | 171 | 1 | 274 | 2.2 | 0.108 |
| P6KE220 | 198 | 220 | 242 | 1 | 175 | 1 | 344 | 1.8 | 0.108 |
| P6KE220A | 209 | 220 | 231 | 1 | 185 | 1 | 328 | 1.9 | 0.108 |
| P6KE250 | 225 | 250 | 275 | 1 | 202 | 1 | 360 | 1.7 | 0.110 |
| P6KE250A | 237 | 250 | 263 | 1 | 214 | 1 | 344 | 1.8 | 0.110 |
| P6KE300 | 270 | 300 | 330 | 1 | 243 | 1 | 430 | 1.4 | 0.110 |
| P6KE300A | 285 | 300 | 315 | 1 | 256 | 1 | 414 | 1.5 | 0.110 |
| P6KE350 | 315 | 350 | 385 | 1 | 284 | 1 | 504 | 1.2 | 0.110 |
| P6KE350A | 332 | 350 | 368 | 1 | 300 | 1 | 482 | 1.3 | 0.110 |
| P6KE400 | 360 | 400 | 440 | 1 | 324 | 1 | 574 | 1.05 | 0.110 |
| P6KE400A | 380 | 400 | 420 | 1 | 342 | 1 | 548 | 1.1 | 0.110 |
| P6KE440 | 396 | 440 | 484 | 1 | 356 | 1 | 631 | 0.99 | 0.110 |
| P6KE440A | 418 | 440 | 462 | 1 | 376 | 1 | 600 | 1.04 | 0.110 |
| P6KE480 | 432 | 480 | 528 | 1 | 389 | 1 | 686 | 0.88 | 0.110 |
| P6KE480A | 456 | 480 | 504 | 1 | 408 | 1 | 658 | 0.91 | 0.110 |
| P6KE510 | 459 | 510 | 561 | 1 | 413 | 1 | 729 | 0.82 | 0.110 |
| P6KE510A | 485 | 510 | 535 | 1 | 434 | 1 | 698 | 0.86 | 0.110 |
| P6KE540 | 486 | 540 | 594 | 1 | 437 | 1 | 772 | 0.78 | 0.110 |
| P6KE540A | 513 | 540 | 567 | 1 | 459 | 1 | 740 | 0.81 | 0.110 |
| P6KE600 | 540 | 600 | 660 | 1 | 480 | 1 | 870 | 0.69 | 0.110 |
| P6KE600A | 570 | 600 | 630 | 1 | 512 | 1 | 828 | 0.75 | 0.110 |

For bidirectional type having V_{WM} of 10 volts and less, the I_R limit is double.
For parts without A, the VBR is $\pm 10\%$

| MCC PART NUMBER | BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS) | | | TEST CURRENT I_T | RATED STANDOFF VOLTAGE V_{WM} | MAXIMUM REVERSE LEAKAGE $I_D @ V_{WM}$ | MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$ | MAXIMUM PEAK PULSE CURRENT I_{PP} | MAX. TEMP COEFFICIENT OF VBR $V_{(BR)} (TA)$ -55°C TO 100°C |
|-----------------|--|-----|------|--------------------|---------------------------------|--|---|-------------------------------------|--|
| | MIN | NOM | MAX | | | | | | |
| P6KE6.8C | 6.12 | 6.8 | 7.48 | 10 | 5.5 | 1000 | 10.8 | 56 | 0.057 |
| P6KE6.8CA | 6.45 | 6.8 | 7.14 | 10 | 5.8 | 1000 | 10.5 | 57 | 0.057 |
| P6KE7.5C | 6.75 | 7.5 | 8.25 | 10 | 6.05 | 500 | 11.7 | 51 | 0.061 |
| P6KE7.5AC | 7.13 | 7.5 | 7.88 | 10 | 6.4 | 500 | 11.3 | 53 | 0.061 |
| P6KE8.2C | 7.38 | 8.2 | 9.02 | 10 | 6.63 | 200 | 12.5 | 48 | 0.065 |
| P6KE8.2CA | 7.79 | 8.2 | 8.61 | 10 | 7.02 | 200 | 12.1 | 50 | 0.065 |
| P6KE9.1C | 8.19 | 9.1 | 10 | 1 | 7.37 | 50 | 13.8 | 44 | 0.068 |
| P6KE9.1CA | 8.65 | 9.1 | 9.55 | 1 | 7.78 | 50 | 13.4 | 45 | 0.068 |
| P6KE10C | 9.0 | 10 | 11 | 1 | 8.1 | 10 | 15 | 40 | 0.073 |
| P6KE10CA | 9.5 | 10 | 10.5 | 1 | 8.55 | 10 | 14.5 | 41 | 0.073 |
| P6KE11C | 9.9 | 11 | 12.1 | 1 | 8.92 | 5 | 16.2 | 37 | 0.075 |
| P6KE11CA | 10.5 | 11 | 11.6 | 1 | 9.4 | 5 | 15.6 | 38 | 0.075 |
| P6KE12C | 10.8 | 12 | 13.2 | 1 | 9.72 | 5 | 17.3 | 35 | 0.078 |
| P6KE12CA | 11.4 | 12 | 12.6 | 1 | 10.2 | 5 | 16.7 | 36 | 0.078 |
| P6KE13C | 11.7 | 13 | 14.3 | 1 | 10.5 | 1 | 19 | 32 | 0.081 |
| P6KE13CA | 12.4 | 13 | 13.7 | 1 | 11.1 | 1 | 18.2 | 33 | 0.081 |
| P6KE15C | 13.5 | 15 | 16.5 | 1 | 12.1 | 1 | 22 | 27 | 0.084 |
| P6KE15CA | 14.3 | 15 | 15.8 | 1 | 12.8 | 1 | 21.2 | 28 | 0.084 |
| P6KE16C | 14.4 | 16 | 17.6 | 1 | 12.9 | 1 | 23.5 | 26 | 0.086 |
| P6KE16CA | 15.2 | 16 | 16.8 | 1 | 13.6 | 1 | 22.5 | 27 | 0.086 |
| P6KE18C | 16.2 | 18 | 19.8 | 1 | 14.5 | 1 | 26.5 | 23 | 0.088 |
| P6KE18CA | 17.1 | 18 | 18.9 | 1 | 15.3 | 1 | 25.2 | 24 | 0.088 |
| P6KE20C | 18 | 20 | 22 | 1 | 16.2 | 1 | 29.1 | 21 | 0.090 |
| P6KE20CA | 19 | 20 | 21 | 1 | 17.1 | 1 | 27.7 | 22 | 0.090 |
| P6KE22C | 19.8 | 22 | 24.2 | 1 | 17.8 | 1 | 31.9 | 19 | 0.092 |
| P6KE22CA | 20.9 | 22 | 23.1 | 1 | 18.8 | 1 | 30.6 | 20 | 0.092 |
| P6KE24C | 21.6 | 24 | 26.4 | 1 | 19.4 | 1 | 34.7 | 17 | 0.094 |
| P6KE24CA | 22.8 | 24 | 25.2 | 1 | 20.5 | 1 | 33.2 | 18 | 0.094 |
| P6KE27C | 24.3 | 27 | 29.7 | 1 | 21.8 | 1 | 39.1 | 15 | 0.096 |
| P6KE27CA | 25.7 | 27 | 28.4 | 1 | 23.1 | 1 | 37.5 | 16 | 0.096 |
| P6KE30C | 27 | 30 | 33 | 1 | 24.3 | 1 | 43.5 | 14 | 0.097 |
| P6KE30CA | 28.5 | 30 | 31.5 | 1 | 25.6 | 1 | 41.4 | 14.4 | 0.097 |
| P6KE33C | 29.7 | 33 | 36.3 | 1 | 26.8 | 1 | 47.7 | 12.6 | 0.098 |
| P6KE33CA | 31.4 | 33 | 34.7 | 1 | 28.2 | 1 | 45.7 | 13.2 | 0.098 |
| P6KE36C | 32.4 | 36 | 39.6 | 1 | 29.1 | 1 | 52 | 11.6 | 0.099 |
| P6KE36CA | 34.2 | 36 | 37.8 | 1 | 30.8 | 1 | 49.9 | 12 | 0.099 |
| P6KE39C | 35.1 | 39 | 42.9 | 1 | 31.6 | 1 | 56.4 | 10.6 | 0.100 |
| P6KE39CA | 37.1 | 39 | 41 | 1 | 33.3 | 1 | 53.9 | 11.2 | 0.100 |
| P6KE43C | 38.7 | 43 | 47.3 | 1 | 34.8 | 1 | 61.9 | 9.6 | 0.101 |
| P6KE43CA | 40.9 | 43 | 45.2 | 1 | 36.8 | 1 | 59.3 | 10.1 | 0.101 |
| P6KE47C | 42.3 | 47 | 51.7 | 1 | 38.1 | 1 | 67.8 | 8.9 | 0.101 |
| P6KE47CA | 44.7 | 47 | 49.4 | 1 | 40.2 | 1 | 64.8 | 9.3 | 0.101 |
| P6KE51C | 45.9 | 51 | 56.1 | 1 | 41.3 | 1 | 73.5 | 8.2 | 0.102 |
| P6KE51CA | 48.5 | 51 | 53.6 | 1 | 43.6 | 1 | 70.1 | 8.6 | 0.102 |
| P6KE56C | 50.4 | 56 | 61.6 | 1 | 45.4 | 1 | 80.5 | 7.4 | 0.103 |
| P6KE56CA | 53.2 | 56 | 58.8 | 1 | 47.8 | 1 | 77 | 7.8 | 0.103 |
| P6KE62C | 55.8 | 62 | 68.2 | 1 | 50.2 | 1 | 89 | 6.8 | 0.104 |

| MCC PART NUMBER | BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS) | | | TEST CURRENT I_T mADC | RATED STANDOFF VOLTAGE V_{WM} V | MAXIMUM REVERSE LEAKAGE $I_D @ V_{WM}$ (μ A) | MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$ V | MAXIMUM PEAK PULSE CURRENT I_{PP} A | MAX. TEMP COEFFICIENT OF VBR $V_{(BR)} (TA)$ -55°C TO 100°C % / °C |
|-----------------|--|-----|------|-------------------------------|---|---|---|---|---|
| | MIN | NOM | MAX | | | | | | |
| P6KE62CA | 58.9 | 62 | 65.1 | 1 | 53 | 1 | 85 | 7.1 | 0.104 |
| P6KE68C | 61.2 | 68 | 74.8 | 1 | 55.1 | 1 | 98 | 6.1 | 0.104 |
| P6KE68CA | 64.6 | 68 | 71.4 | 1 | 58.1 | 1 | 92 | 6.5 | 0.104 |
| P6KE75C | 67.5 | 75 | 82.5 | 1 | 60.7 | 1 | 108 | 5.5 | 0.105 |
| P6KE75CA | 71.3 | 75 | 78.8 | 1 | 64.1 | 1 | 103 | 5.8 | 0.105 |
| P6KE82C | 73.8 | 82 | 90.2 | 1 | 66.4 | 1 | 118 | 5.1 | 0.105 |
| P6KE82CA | 77.9 | 82 | 86.1 | 1 | 70.1 | 1 | 113 | 5.3 | 0.105 |
| P6KE91C | 81.9 | 91 | 100 | 1 | 73.7 | 1 | 131 | 4.5 | 0.106 |
| P6KE91CA | 86.5 | 91 | 95.5 | 1 | 77.8 | 1 | 125 | 4.8 | 0.106 |
| P6KE100C | 90 | 100 | 110 | 1 | 81 | 1 | 144 | 4.2 | 0.106 |
| P6KE100CA | 95 | 100 | 105 | 1 | 85.5 | 1 | 137 | 4.4 | 0.106 |
| P6KE110C | 99 | 110 | 121 | 1 | 89.2 | 1 | 158 | 3.8 | 0.107 |
| P6KE110CA | 105 | 110 | 116 | 1 | 94 | 1 | 152 | 4.0 | 0.107 |
| P6KE120C | 108 | 120 | 132 | 1 | 97.2 | 1 | 173 | 3.5 | 0.107 |
| P6KE120CA | 114 | 120 | 126 | 1 | 102 | 1 | 165 | 3.6 | 0.107 |
| P6KE130C | 117 | 130 | 143 | 1 | 105 | 1 | 187 | 3.2 | 0.108 |
| P6KE130CA | 124 | 130 | 137 | 1 | 111 | 1 | 179 | 3.3 | 0.108 |
| P6KE150C | 135 | 150 | 165 | 1 | 121 | 1 | 215 | 2.8 | 0.108 |
| P6KE150CA | 143 | 150 | 158 | 1 | 128 | 1 | 207 | 2.9 | 0.108 |
| P6KE160C | 144 | 160 | 176 | 1 | 130 | 1 | 230 | 2.6 | 0.108 |
| P6KE160CA | 152 | 160 | 168 | 1 | 136 | 1 | 219 | 2.7 | 0.108 |
| P6KE170C | 153 | 170 | 187 | 1 | 138 | 1 | 244 | 2.5 | 0.108 |
| P6KE170CA | 161 | 170 | 179 | 1 | 145 | 1 | 234 | 2.6 | 0.108 |
| P6KE180C | 162 | 180 | 198 | 1 | 146 | 1 | 258 | 2.3 | 0.108 |
| P6KE180CA | 171 | 180 | 189 | 1 | 154 | 1 | 246 | 2.4 | 0.108 |
| P6KE200C | 180 | 200 | 220 | 1 | 162 | 1 | 287 | 2.1 | 0.108 |
| P6KE200CA | 190 | 200 | 210 | 1 | 171 | 1 | 274 | 2.2 | 0.108 |
| P6KE220C | 198 | 220 | 242 | 1 | 175 | 1 | 344 | 1.8 | 0.108 |
| P6KE220CA | 209 | 220 | 231 | 1 | 185 | 1 | 328 | 1.9 | 0.108 |
| P6KE250C | 225 | 250 | 275 | 1 | 202 | 1 | 360 | 1.7 | 0.110 |
| P6KE250CA | 237 | 250 | 263 | 1 | 214 | 1 | 344 | 1.8 | 0.110 |
| P6KE300C | 270 | 300 | 330 | 1 | 243 | 1 | 430 | 1.4 | 0.110 |
| P6KE300CA | 285 | 300 | 315 | 1 | 256 | 1 | 414 | 1.5 | 0.110 |
| P6KE350C | 315 | 350 | 385 | 1 | 284 | 1 | 504 | 1.2 | 0.110 |
| P6KE350CA | 332 | 350 | 368 | 1 | 300 | 1 | 482 | 1.3 | 0.110 |
| P6KE400C | 360 | 400 | 440 | 1 | 324 | 1 | 574 | 1.05 | 0.110 |
| P6KE400CA | 380 | 400 | 420 | 1 | 342 | 1 | 548 | 1.1 | 0.110 |
| P6KE440C | 396 | 440 | 484 | 1 | 356 | 1 | 631 | 0.99 | 0.110 |
| P6KE440CA | 418 | 440 | 462 | 1 | 376 | 1 | 600 | 1.04 | 0.110 |
| P6KE480C | 432 | 480 | 528 | 1 | 389 | 1 | 686 | 0.88 | 0.110 |
| P6KE480CA | 456 | 480 | 504 | 1 | 408 | 1 | 658 | 0.91 | 0.110 |
| P6KE510C | 459 | 510 | 561 | 1 | 413 | 1 | 729 | 0.82 | 0.110 |
| P6KE510CA | 485 | 510 | 535 | 1 | 434 | 1 | 698 | 0.86 | 0.110 |
| P6KE540C | 486 | 540 | 594 | 1 | 437 | 1 | 772 | 0.78 | 0.110 |
| P6KE540CA | 513 | 540 | 567 | 1 | 459 | 1 | 740 | 0.81 | 0.110 |
| P6KE600C | 540 | 600 | 660 | 1 | 480 | 1 | 870 | 0.69 | 0.110 |
| P6KE600CA | 570 | 600 | 630 | 1 | 512 | 1 | 828 | 0.75 | 0.110 |

For bidirectional type having V_{WM} of 10 volts and less, the I_T limit is double.
For parts without A, the VBR is $\pm 10\%$

Curve Characteristics

Fig. 1 - Peak Pulse Power Rating Curve

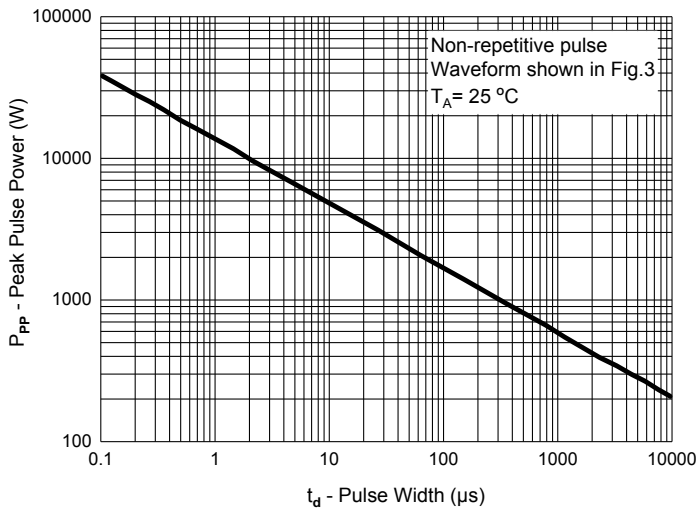


Fig. 2 - Typical Junction Capacitance

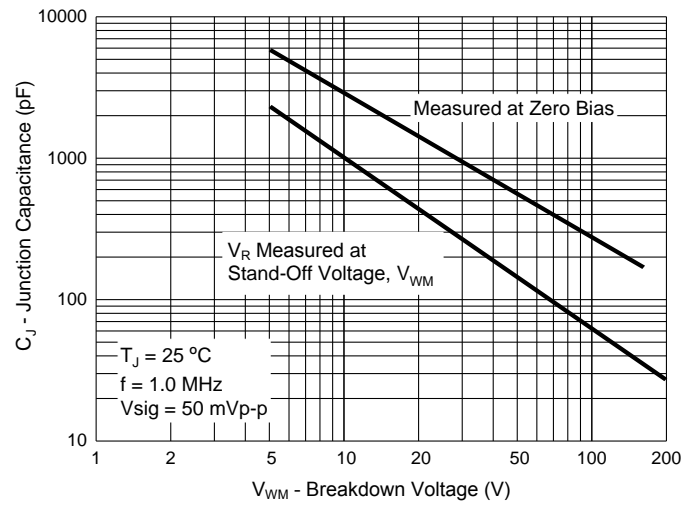


Fig. 3 - Pulse Waveform

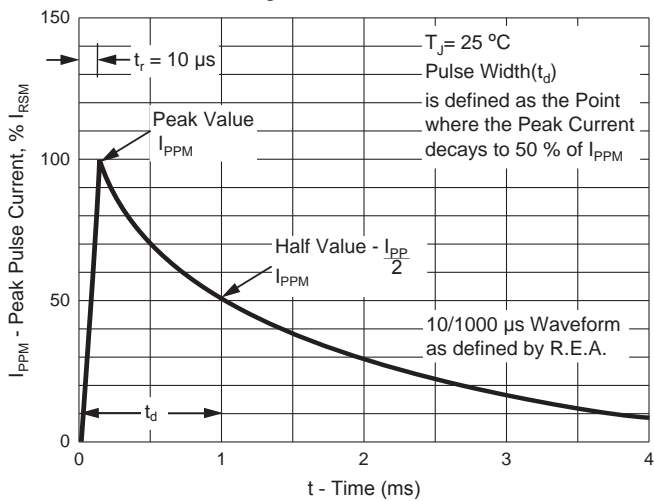


Fig. 4 - Pulse Derating Curve

