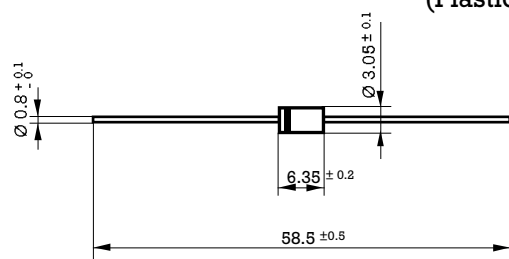


## 600W Unidirectional and Bidirectional Transient Voltage Suppressor Diodes

|                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Dimensions in mm.</p> <p>DO-15<br/>(Plastic)</p>                                                                                                                                                                     | <p>Peak Pulse<br/>Power Rating<br/>At 1 ms. Exp.<br/>600 W</p> <p>Reverse<br/>stand-off<br/>Voltage<br/>5.5 ÷ 376 V</p> <p><b>HYPERECTIFIER®</b></p>                                                                                                                                                |
| <p><b>Mounting instructions</b></p> <ol style="list-style-type: none"> <li>1. Min. distance from body to soldering point, 4 mm.</li> <li>2. Max. solder temperature, 300 °C.</li> <li>3. Max. soldering time, 3.5 sec.</li> <li>4. Do not bend lead at a point closer than 2 mm. to the body.</li> </ol> | <ul style="list-style-type: none"> <li>• Glass passivated junction</li> <li>• Low Capacitance AC signal protection</li> <li>• Response time typically &lt; 1 ns.</li> <li>• Molded case</li> <li>• The plastic material carries U/L recognition 94 V-0</li> <li>• Terminals: Axial leads</li> </ul> |

### Maximum Ratings, according to IEC publication No. 134

|             |                                                                                   |                  |
|-------------|-----------------------------------------------------------------------------------|------------------|
| $P_{pp}$    | Peak pulse power with 10/1000 $\mu$ s exponential pulse                           | 600 W            |
| $I_{FSM}$   | Non repetitive surge peak forward current (t = 8.3 msec.) (Jedec Method) (Note 1) | 100 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 Tamb = 25 °C

|             |                                                    |                                                               |
|-------------|----------------------------------------------------|---------------------------------------------------------------|
| $V_F$       | Max. forward voltage drop at $I_F = 50$ A (Note 1) | $V_{BR} \leq 220$ V      3.5 V<br>$V_{BR} > 220$ V      5.0 V |
| $R_{thj-l}$ | Max. thermal resistance (l = 10 mm.)               | 30 °C/W                                                       |

Note 1: Valid only for Unidirectional.

| Type            | Maximum Reverse Leakage Current |             | (1) Breakdown Voltage |      |      |      | Max. Clamping Voltage |      |
|-----------------|---------------------------------|-------------|-----------------------|------|------|------|-----------------------|------|
|                 | $I_{RM}$                        | at $V_{RM}$ | $V_{BR}$ at $I_R$     |      |      |      | $V_{CL}$ at $I_{PP}$  |      |
|                 | ( $\mu A$ )                     | (V)         | Min.                  | Nom. | Max. | (mA) | (V)                   | (A)  |
| <b>P6KE6V8</b>  | 1000                            | 5.50        | 6.12                  | 6.8  | 7.48 | 10   | 10.8                  | 56   |
| <b>P6KE6V8A</b> | 1000                            | 5.80        | 6.45                  | 6.8  | 7.14 | 10   | 10.5                  | 57   |
| <b>P6KE7V5</b>  | 500                             | 6.05        | 6.75                  | 7.5  | 8.25 | 10   | 11.7                  | 51   |
| <b>P6KE7V5A</b> | 500                             | 6.40        | 7.13                  | 7.5  | 7.88 | 10   | 11.3                  | 53   |
| <b>P6KE8V2</b>  | 200                             | 6.63        | 7.38                  | 8.2  | 9.02 | 10   | 12.5                  | 48   |
| <b>P6KE8V2A</b> | 200                             | 7.02        | 7.79                  | 8.2  | 8.61 | 10   | 12.1                  | 50   |
| <b>P6KE9V1</b>  | 50                              | 7.37        | 8.19                  | 9.1  | 10.0 | 1    | 13.8                  | 44   |
| <b>P6KE9V1A</b> | 50                              | 7.78        | 8.65                  | 9.1  | 9.55 | 1    | 13.4                  | 45   |
| <b>P6KE10</b>   | 10                              | 8.10        | 9.00                  | 10   | 11.0 | 1    | 15.0                  | 40   |
| <b>P6KE10A</b>  | 10                              | 8.55        | 9.50                  | 10   | 10.5 | 1    | 14.5                  | 41   |
| <b>P6KE11</b>   | 5                               | 8.92        | 9.90                  | 11   | 12.1 | 1    | 16.2                  | 37   |
| <b>P6KE11A</b>  | 5                               | 9.40        | 10.5                  | 11   | 11.6 | 1    | 15.6                  | 38   |
| <b>P6KE12</b>   | 5                               | 9.72        | 10.8                  | 12   | 13.2 | 1    | 17.3                  | 35   |
| <b>P6KE12A</b>  | 5                               | 10.2        | 11.4                  | 12   | 12.6 | 1    | 16.7                  | 36   |
| <b>P6KE13</b>   | 5                               | 10.5        | 11.7                  | 13   | 14.3 | 1    | 19.0                  | 32   |
| <b>P6KE13A</b>  | 5                               | 11.1        | 12.4                  | 13   | 13.7 | 1    | 18.2                  | 33   |
| <b>P6KE15</b>   | 5                               | 12.1        | 13.5                  | 15   | 16.5 | 1    | 22.0                  | 27   |
| <b>P6KE15A</b>  | 5                               | 12.8        | 14.3                  | 15   | 15.8 | 1    | 21.2                  | 28   |
| <b>P6KE16</b>   | 5                               | 12.9        | 14.4                  | 16   | 17.6 | 1    | 23.5                  | 26   |
| <b>P6KE16A</b>  | 5                               | 13.6        | 15.2                  | 16   | 16.8 | 1    | 22.5                  | 27   |
| <b>P6KE18</b>   | 5                               | 14.5        | 16.2                  | 18   | 19.8 | 1    | 26.5                  | 23   |
| <b>P6KE18A</b>  | 5                               | 15.3        | 17.1                  | 18   | 18.9 | 1    | 25.5                  | 24   |
| <b>P6KE20</b>   | 5                               | 16.2        | 18.0                  | 20   | 22.0 | 1    | 29.1                  | 21   |
| <b>P6KE20A</b>  | 5                               | 17.1        | 19.0                  | 20   | 21.0 | 1    | 27.7                  | 22   |
| <b>P6KE22</b>   | 5                               | 17.8        | 19.8                  | 22   | 24.2 | 1    | 31.9                  | 19   |
| <b>P6KE22A</b>  | 5                               | 18.8        | 20.9                  | 22   | 23.1 | 1    | 30.6                  | 20   |
| <b>P6KE24</b>   | 5                               | 19.4        | 21.6                  | 24   | 26.4 | 1    | 34.7                  | 17   |
| <b>P6KE24A</b>  | 5                               | 20.5        | 22.8                  | 24   | 25.2 | 1    | 33.2                  | 18   |
| <b>P6KE27</b>   | 5                               | 21.8        | 24.3                  | 27   | 29.7 | 1    | 39.1                  | 15   |
| <b>P6KE27A</b>  | 5                               | 23.1        | 25.7                  | 27   | 28.4 | 1    | 37.5                  | 16   |
| <b>P6KE30</b>   | 5                               | 24.3        | 27.0                  | 30   | 33.0 | 1    | 43.5                  | 14   |
| <b>P6KE30A</b>  | 5                               | 25.6        | 28.5                  | 30   | 31.5 | 1    | 41.4                  | 14.4 |
| <b>P6KE33</b>   | 5                               | 26.8        | 29.7                  | 33   | 36.3 | 1    | 47.7                  | 12.6 |
| <b>P6KE33A</b>  | 5                               | 28.2        | 31.4                  | 33   | 34.7 | 1    | 45.7                  | 13.2 |
| <b>P6KE36</b>   | 5                               | 29.1        | 32.4                  | 36   | 39.6 | 1    | 52.0                  | 11.6 |
| <b>P6KE36A</b>  | 5                               | 30.8        | 34.2                  | 36   | 37.8 | 1    | 49.9                  | 12   |
| <b>P6KE39</b>   | 5                               | 31.6        | 35.1                  | 39   | 42.9 | 1    | 56.4                  | 10.6 |
| <b>P6KE39A</b>  | 5                               | 33.3        | 37.1                  | 39   | 41.0 | 1    | 53.9                  | 11.2 |
| <b>P6KE43</b>   | 5                               | 34.8        | 38.7                  | 43   | 47.3 | 1    | 61.9                  | 9.6  |
| <b>P6KE43A</b>  | 5                               | 36.8        | 40.9                  | 43   | 45.2 | 1    | 59.3                  | 10.1 |
| <b>P6KE47</b>   | 5                               | 38.1        | 42.3                  | 47   | 51.7 | 1    | 67.8                  | 8.9  |
| <b>P6KE47A</b>  | 5                               | 40.2        | 44.7                  | 47   | 49.4 | 1    | 64.8                  | 9.3  |
| <b>P6KE51</b>   | 5                               | 41.3        | 45.9                  | 51   | 56.1 | 1    | 73.5                  | 8.2  |
| <b>P6KE51A</b>  | 5                               | 43.6        | 48.5                  | 51   | 53.6 | 1    | 70.1                  | 8.6  |

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

| Type           | Maximum Reverse Leakage Current<br>$I_{RM}$ at $V_{RM}$ |      | (1) Breakdown Voltage<br>$V_{BR}$ at $I_R$<br>(V) |      |      |      | Max. Clamping Voltage<br>$V_{CL}$ at $I_{PP}$<br>max. 1 ms. Expo. |      |
|----------------|---------------------------------------------------------|------|---------------------------------------------------|------|------|------|-------------------------------------------------------------------|------|
|                | ( $\mu A$ )                                             | (V)  | Min.                                              | Nom. | Max. | (mA) | (V)                                                               | (A)  |
| Unidirectional |                                                         |      |                                                   |      |      |      |                                                                   |      |
| P6KE56         | 5                                                       | 45.4 | 50.4                                              | 56   | 61.6 | 1    | 80.5                                                              | 7.4  |
| P6KE56A        | 5                                                       | 47.8 | 53.2                                              | 56   | 58.8 | 1    | 77.0                                                              | 7.8  |
| P6KE62         | 5                                                       | 50.2 | 55.8                                              | 62   | 68.2 | 1    | 89.0                                                              | 6.8  |
| P6KE62A        | 5                                                       | 53.0 | 58.9                                              | 62   | 65.1 | 1    | 85.0                                                              | 7.1  |
| P6KE68         | 5                                                       | 55.1 | 61.2                                              | 68   | 74.8 | 1    | 98.0                                                              | 6.1  |
| P6KE68A        | 5                                                       | 58.1 | 64.6                                              | 68   | 71.4 | 1    | 92.0                                                              | 6.5  |
| P6KE75         | 5                                                       | 60.7 | 67.5                                              | 75   | 82.5 | 1    | 108                                                               | 5.5  |
| P6KE75A        | 5                                                       | 64.1 | 71.3                                              | 75   | 78.8 | 1    | 103                                                               | 5.8  |
| P6KE82         | 5                                                       | 66.4 | 73.8                                              | 82   | 90.2 | 1    | 118                                                               | 5.1  |
| P6KE82A        | 5                                                       | 70.1 | 77.9                                              | 82   | 86.1 | 1    | 113                                                               | 5.3  |
| P6KE91         | 5                                                       | 73.7 | 81.9                                              | 91   | 100  | 1    | 131                                                               | 4.5  |
| P6KE91A        | 5                                                       | 77.8 | 86.5                                              | 91   | 95.5 | 1    | 125                                                               | 4.8  |
| P6KE100        | 5                                                       | 81.0 | 90.0                                              | 100  | 110  | 1    | 144                                                               | 4.2  |
| P6KE100A       | 5                                                       | 85.5 | 95.0                                              | 100  | 105  | 1    | 137                                                               | 4.4  |
| P6KE110        | 5                                                       | 89.2 | 99.0                                              | 110  | 121  | 1    | 158                                                               | 3.8  |
| P6KE110A       | 5                                                       | 94.0 | 105                                               | 110  | 116  | 1    | 152                                                               | 4.0  |
| P6KE120        | 5                                                       | 97.2 | 108                                               | 120  | 132  | 1    | 173                                                               | 3.5  |
| P6KE120A       | 5                                                       | 102  | 114                                               | 120  | 126  | 1    | 165                                                               | 3.6  |
| P6KE130        | 5                                                       | 105  | 117                                               | 130  | 143  | 1    | 187                                                               | 3.2  |
| P6KE130A       | 5                                                       | 111  | 124                                               | 130  | 137  | 1    | 179                                                               | 3.3  |
| P6KE150        | 5                                                       | 121  | 135                                               | 150  | 165  | 1    | 215                                                               | 2.8  |
| P6KE150A       | 5                                                       | 128  | 143                                               | 150  | 158  | 1    | 207                                                               | 2.9  |
| P6KE160        | 5                                                       | 130  | 144                                               | 160  | 176  | 1    | 230                                                               | 2.6  |
| P6KE160A       | 5                                                       | 136  | 152                                               | 160  | 168  | 1    | 219                                                               | 2.7  |
| P6KE170        | 5                                                       | 138  | 153                                               | 170  | 187  | 1    | 244                                                               | 2.5  |
| P6KE170A       | 5                                                       | 145  | 162                                               | 170  | 179  | 1    | 234                                                               | 2.6  |
| P6KE180        | 5                                                       | 146  | 162                                               | 180  | 198  | 1    | 258                                                               | 2.3  |
| P6KE180A       | 5                                                       | 154  | 171                                               | 180  | 189  | 1    | 246                                                               | 2.4  |
| P6KE200        | 5                                                       | 162  | 180                                               | 200  | 220  | 1    | 287                                                               | 2.1  |
| P6KE200A       | 5                                                       | 171  | 190                                               | 200  | 210  | 1    | 274                                                               | 2.2  |
| P6KE220        | 5                                                       | 175  | 198                                               | 220  | 242  | 1    | 344                                                               | 1.75 |
| P6KE220A       | 5                                                       | 185  | 209                                               | 220  | 231  | 1    | 328                                                               | 1.83 |
| P6KE250        | 5                                                       | 202  | 225                                               | 250  | 275  | 1    | 360                                                               | 1.67 |
| P6KE250A       | 5                                                       | 214  | 237                                               | 250  | 263  | 1    | 344                                                               | 1.75 |
| P6KE300        | 5                                                       | 243  | 270                                               | 300  | 330  | 1    | 430                                                               | 1.40 |
| P6KE300A       | 5                                                       | 256  | 285                                               | 300  | 315  | 1    | 414                                                               | 1.45 |
| P6KE320        | 5                                                       | 259  | 288                                               | 320  | 352  | 1    | 457                                                               | 1.32 |
| P6KE320A       | 5                                                       | 273  | 304                                               | 320  | 336  | 1    | 438                                                               | 1.6  |
| P6KE350        | 5                                                       | 284  | 315                                               | 350  | 385  | 1    | 504                                                               | 1.20 |
| P6KE350A       | 5                                                       | 300  | 332                                               | 350  | 368  | 1    | 482                                                               | 1.25 |
| P6KE400        | 5                                                       | 324  | 360                                               | 400  | 440  | 1    | 574                                                               | 1.05 |
| P6KE400A       | 5                                                       | 342  | 380                                               | 400  | 420  | 1    | 548                                                               | 1.10 |
| P6KE440        | 5                                                       | 356  | 396                                               | 440  | 484  | 1    | 631                                                               | 0.95 |
| P6KE440A       | 5                                                       | 376  | 418                                               | 440  | 462  | 1    | 602                                                               | 1.0  |

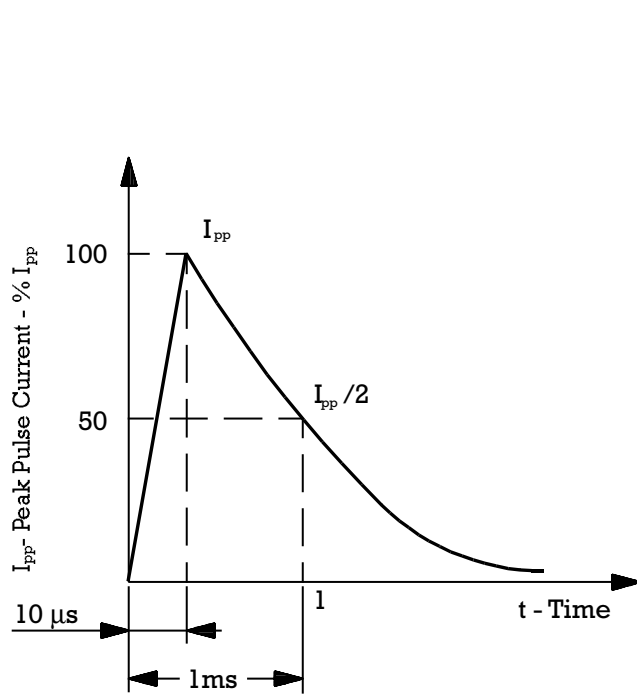
(1) Tested with pulses.  
Pulse test:  $t_p \leq 50$  ms;  $\delta < 2\%$

| Type      | Maximum Reverse Leakage Current<br>$I_{RM}$ at $V_{RM}$ |      | (1) Breakdown Voltage<br>$V_{BR}$ at $I_R$<br>(V) |      |      |      | Max. Clamping Voltage<br>$V_{CL}$ at $I_{pp}$<br>max. 1ms. Expo. |      |
|-----------|---------------------------------------------------------|------|---------------------------------------------------|------|------|------|------------------------------------------------------------------|------|
|           | ( $\mu A$ )                                             | (V)  | Min.                                              | Nom. | Max. | (mA) | (V)                                                              | (A)  |
| P6KE6V8C  | 1000                                                    | 5.50 | 6.12                                              | 6.8  | 7.48 | 10   | 10.8                                                             | 56   |
| P6KE6V8CA | 1000                                                    | 5.80 | 6.45                                              | 6.8  | 7.14 | 10   | 10.5                                                             | 57   |
| P6KE7V5C  | 500                                                     | 6.05 | 6.75                                              | 7.5  | 8.25 | 10   | 11.7                                                             | 51   |
| P6KE7V5CA | 500                                                     | 6.40 | 7.13                                              | 7.5  | 7.88 | 10   | 11.3                                                             | 53   |
| P6KE8V2C  | 200                                                     | 6.63 | 7.38                                              | 8.2  | 9.02 | 10   | 12.5                                                             | 48   |
| P6KE8V2CA | 200                                                     | 7.02 | 7.79                                              | 8.2  | 8.61 | 10   | 12.1                                                             | 50   |
| P6KE9V1C  | 50                                                      | 7.37 | 8.19                                              | 9.1  | 10.0 | 1    | 13.8                                                             | 44   |
| P6KE9V1CA | 50                                                      | 7.78 | 8.65                                              | 9.1  | 9.55 | 1    | 13.4                                                             | 45   |
| P6KE10C   | 10                                                      | 8.10 | 9.00                                              | 10   | 11.0 | 1    | 15.0                                                             | 40   |
| P6KE10CA  | 10                                                      | 8.55 | 9.50                                              | 10   | 10.5 | 1    | 14.5                                                             | 41   |
| P6KE11C   | 5                                                       | 8.92 | 9.90                                              | 11   | 12.1 | 1    | 16.2                                                             | 37   |
| P6KE11CA  | 5                                                       | 9.40 | 10.5                                              | 11   | 11.6 | 1    | 15.6                                                             | 38   |
| P6KE12C   | 5                                                       | 9.72 | 10.8                                              | 12   | 13.2 | 1    | 17.3                                                             | 35   |
| P6KE12CA  | 5                                                       | 10.2 | 11.4                                              | 12   | 12.6 | 1    | 16.7                                                             | 36   |
| P6KE13C   | 5                                                       | 10.5 | 11.7                                              | 13   | 14.3 | 1    | 19.0                                                             | 32   |
| P6KE13CA  | 5                                                       | 11.1 | 12.4                                              | 13   | 13.7 | 1    | 18.2                                                             | 33   |
| P6KE15C   | 5                                                       | 12.1 | 13.5                                              | 15   | 16.5 | 1    | 22.0                                                             | 27   |
| P6KE15CA  | 5                                                       | 12.8 | 14.3                                              | 15   | 15.8 | 1    | 21.2                                                             | 28   |
| P6KE16C   | 5                                                       | 12.9 | 14.4                                              | 16   | 17.6 | 1    | 23.5                                                             | 26   |
| P6KE16CA  | 5                                                       | 13.6 | 15.2                                              | 16   | 16.8 | 1    | 22.5                                                             | 27   |
| P6KE18C   | 5                                                       | 14.5 | 16.2                                              | 18   | 19.8 | 1    | 26.5                                                             | 23   |
| P6KE18CA  | 5                                                       | 15.3 | 17.1                                              | 18   | 18.9 | 1    | 25.5                                                             | 24   |
| P6KE20C   | 5                                                       | 16.2 | 18.0                                              | 20   | 22.0 | 1    | 29.1                                                             | 21   |
| P6KE20CA  | 5                                                       | 17.1 | 19.0                                              | 20   | 21.0 | 1    | 27.7                                                             | 22   |
| P6KE22C   | 5                                                       | 17.8 | 19.8                                              | 22   | 24.2 | 1    | 31.9                                                             | 19   |
| P6KE22CA  | 5                                                       | 18.8 | 20.9                                              | 22   | 23.1 | 1    | 30.6                                                             | 20   |
| P6KE24C   | 5                                                       | 19.4 | 21.6                                              | 24   | 26.4 | 1    | 34.7                                                             | 17   |
| P6KE24CA  | 5                                                       | 20.5 | 22.8                                              | 24   | 25.2 | 1    | 33.2                                                             | 18   |
| P6KE27C   | 5                                                       | 21.8 | 24.3                                              | 27   | 29.7 | 1    | 39.1                                                             | 15   |
| P6KE27CA  | 5                                                       | 23.1 | 25.7                                              | 27   | 28.4 | 1    | 37.5                                                             | 16   |
| P6KE30C   | 5                                                       | 24.3 | 27.0                                              | 30   | 33.0 | 1    | 43.5                                                             | 14   |
| P6KE30CA  | 5                                                       | 25.6 | 28.5                                              | 30   | 31.5 | 1    | 41.4                                                             | 14.4 |
| P6KE33C   | 5                                                       | 26.8 | 29.7                                              | 33   | 36.3 | 1    | 47.7                                                             | 12.6 |
| P6KE33CA  | 5                                                       | 28.2 | 31.4                                              | 33   | 34.7 | 1    | 45.7                                                             | 13.2 |
| P6KE36C   | 5                                                       | 29.1 | 32.4                                              | 36   | 39.6 | 1    | 52.0                                                             | 11.6 |
| P6KE36CA  | 5                                                       | 30.8 | 34.2                                              | 36   | 37.8 | 1    | 49.9                                                             | 12   |
| P6KE39C   | 5                                                       | 31.6 | 35.1                                              | 39   | 42.9 | 1    | 56.4                                                             | 10.6 |
| P6KE39CA  | 5                                                       | 33.3 | 37.1                                              | 39   | 41.0 | 1    | 53.9                                                             | 11.2 |
| P6KE43C   | 5                                                       | 34.8 | 38.7                                              | 43   | 47.3 | 1    | 61.9                                                             | 9.6  |
| P6KE43CA  | 5                                                       | 36.8 | 40.9                                              | 43   | 45.2 | 1    | 59.3                                                             | 10.1 |
| P6KE47C   | 5                                                       | 38.1 | 42.3                                              | 47   | 51.7 | 1    | 67.8                                                             | 8.9  |
| P6KE47CA  | 5                                                       | 40.2 | 44.7                                              | 47   | 49.4 | 1    | 64.8                                                             | 9.3  |
| P6KE51C   | 5                                                       | 41.3 | 45.9                                              | 51   | 56.1 | 1    | 73.5                                                             | 8.2  |
| P6KE51CA  | 5                                                       | 43.6 | 48.5                                              | 51   | 53.6 | 1    | 70.1                                                             | 8.6  |

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

| Type      | Maximum Reverse Leakage Current<br>$I_{RM}$ at $V_{RM}$ |      | (1) Breakdown Voltage<br>$V_{BR}$ at $I_R$<br>(V) |      |      |      | Max. Clamping Voltage<br>$V_{CL}$ at $I_{pp}$<br>max. 1ms. Expo. |      |
|-----------|---------------------------------------------------------|------|---------------------------------------------------|------|------|------|------------------------------------------------------------------|------|
|           | ( $\mu A$ )                                             | (V)  | Min.                                              | Nom. | Max. | (mA) | (V)                                                              | (A)  |
| P6KE56C   | 5                                                       | 45.4 | 50.4                                              | 56   | 61.6 | 1    | 80.5                                                             | 7.4  |
| P6KE56CA  | 5                                                       | 47.8 | 53.2                                              | 56   | 58.8 | 1    | 77.0                                                             | 7.8  |
| P6KE62C   | 5                                                       | 50.2 | 55.8                                              | 62   | 68.2 | 1    | 89.0                                                             | 6.8  |
| P6KE62CA  | 5                                                       | 53.0 | 58.9                                              | 62   | 65.1 | 1    | 85.0                                                             | 7.1  |
| P6KE68C   | 5                                                       | 55.1 | 61.2                                              | 68   | 74.8 | 1    | 98.0                                                             | 6.1  |
| P6KE68CA  | 5                                                       | 58.1 | 64.6                                              | 68   | 71.4 | 1    | 92.0                                                             | 6.5  |
| P6KE75C   | 5                                                       | 60.7 | 67.5                                              | 75   | 82.5 | 1    | 108                                                              | 5.5  |
| P6KE75CA  | 5                                                       | 64.1 | 71.3                                              | 75   | 78.8 | 1    | 103                                                              | 5.8  |
| P6KE82C   | 5                                                       | 66.4 | 73.8                                              | 82   | 90.2 | 1    | 118                                                              | 5.1  |
| P6KE82CA  | 5                                                       | 70.1 | 77.9                                              | 82   | 86.1 | 1    | 113                                                              | 5.3  |
| P6KE91C   | 5                                                       | 73.7 | 81.9                                              | 91   | 100  | 1    | 131                                                              | 4.5  |
| P6KE91CA  | 5                                                       | 77.8 | 86.5                                              | 91   | 95.5 | 1    | 125                                                              | 4.8  |
| P6KE100C  | 5                                                       | 81.0 | 90.0                                              | 100  | 110  | 1    | 144                                                              | 4.2  |
| P6KE100CA | 5                                                       | 85.5 | 95.0                                              | 100  | 105  | 1    | 137                                                              | 4.4  |
| P6KE110C  | 5                                                       | 89.2 | 99.0                                              | 110  | 121  | 1    | 158                                                              | 3.8  |
| P6KE110CA | 5                                                       | 94.0 | 105                                               | 110  | 116  | 1    | 152                                                              | 4.0  |
| P6KE120C  | 5                                                       | 97.2 | 108                                               | 120  | 132  | 1    | 173                                                              | 3.5  |
| P6KE120CA | 5                                                       | 102  | 114                                               | 120  | 126  | 1    | 165                                                              | 3.6  |
| P6KE130C  | 5                                                       | 105  | 117                                               | 130  | 143  | 1    | 187                                                              | 3.2  |
| P6KE130CA | 5                                                       | 111  | 124                                               | 130  | 137  | 1    | 179                                                              | 3.3  |
| P6KE150C  | 5                                                       | 121  | 135                                               | 150  | 165  | 1    | 215                                                              | 2.8  |
| P6KE150CA | 5                                                       | 128  | 143                                               | 150  | 158  | 1    | 207                                                              | 2.9  |
| P6KE160C  | 5                                                       | 130  | 144                                               | 160  | 176  | 1    | 230                                                              | 2.6  |
| P6KE160CA | 5                                                       | 136  | 152                                               | 160  | 168  | 1    | 219                                                              | 2.7  |
| P6KE170C  | 5                                                       | 138  | 153                                               | 170  | 187  | 1    | 244                                                              | 2.5  |
| P6KE170CA | 5                                                       | 145  | 162                                               | 170  | 179  | 1    | 234                                                              | 2.6  |
| P6KE180C  | 5                                                       | 146  | 162                                               | 180  | 198  | 1    | 258                                                              | 2.3  |
| P6KE180CA | 5                                                       | 154  | 171                                               | 180  | 189  | 1    | 246                                                              | 2.4  |
| P6KE200C  | 5                                                       | 162  | 180                                               | 200  | 220  | 1    | 287                                                              | 2.1  |
| P6KE200CA | 5                                                       | 171  | 190                                               | 200  | 210  | 1    | 274                                                              | 2.2  |
| P6KE220C  | 5                                                       | 175  | 198                                               | 220  | 242  | 1    | 344                                                              | 1.75 |
| P6KE220CA | 5                                                       | 185  | 209                                               | 220  | 231  | 1    | 328                                                              | 1.83 |
| P6KE250C  | 5                                                       | 202  | 225                                               | 250  | 275  | 1    | 360                                                              | 1.67 |
| P6KE250CA | 5                                                       | 214  | 237                                               | 250  | 263  | 1    | 344                                                              | 1.75 |
| P6KE300C  | 5                                                       | 243  | 270                                               | 300  | 330  | 1    | 430                                                              | 1.40 |
| P6KE300CA | 5                                                       | 256  | 285                                               | 300  | 315  | 1    | 414                                                              | 1.45 |
| P6KE320C  | 5                                                       | 259  | 288                                               | 320  | 352  | 1    | 457                                                              | 1.32 |
| P6KE320CA | 5                                                       | 273  | 304                                               | 320  | 336  | 1    | 438                                                              | 1.40 |
| P6KE350C  | 5                                                       | 284  | 315                                               | 350  | 385  | 1    | 504                                                              | 1.20 |
| P6KE350CA | 5                                                       | 300  | 332                                               | 350  | 368  | 1    | 482                                                              | 1.25 |
| P6KE400C  | 5                                                       | 324  | 360                                               | 400  | 440  | 1    | 574                                                              | 1.05 |
| P6KE400CA | 5                                                       | 342  | 380                                               | 400  | 420  | 1    | 548                                                              | 1.10 |
| P6KE440C  | 5                                                       | 356  | 396                                               | 440  | 484  | 1    | 631                                                              | 0.95 |
| P6KE440CA | 5                                                       | 376  | 418                                               | 440  | 462  | 1    | 602                                                              | 1.0  |

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



Pulse wave form 10/1000

