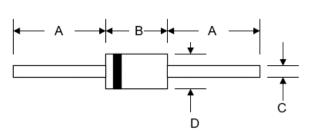
Green Products

#### Technical Data Data Sheet N0220, Rev. A Features

- Glass Passivated Die Construction
- 400W Peak Pulse Power Dissipation
- 6.8V 440V Standoff Voltage
- Uni- and Bi-Directional Versions Available
- Excellent Clamping Capability
- Fast Response Time
- Plastic Case Material has UL Flammability Classification Rating 94V-O
- UL Recognized File # E224235
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

#### Mechanical Data

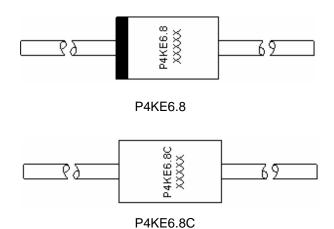
- Case: JEDEC DO-41 Low Profile Molded Plastic
- Terminals: Axial Leads, Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band or Cathode Notch
- Marking: Unidirectional – Device Code and Cathode Band Bidirectional – Device Code Only
- Weight: 0.34 grams (approx.)



| DO-41 |       |       |         |       |  |  |
|-------|-------|-------|---------|-------|--|--|
| Dim   | Min   | Max   | Min     | Max   |  |  |
| Α     | 25.4  | _     | 1.000   | _     |  |  |
| В     | 4.06  | 5.21  | 0.159   | 0.205 |  |  |
| С     | 0.71  | 0.864 | 0.028   | 0.034 |  |  |
| D     | 2.00  | 2.72  | 0.079   | 0.107 |  |  |
|       | In mm |       | In inch |       |  |  |

"C" Suffix Designates Bi-directional Devices "A" Suffix Designates 5% Tolerance Devices No Suffix Designates 10% Tolerance Devices

## **Marking Diagram**



Where XXXXX is YYWWL

P4KE6.8/P4KE6.8C = Part Name
YY = Year
WW = Week
L = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

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<sup>•</sup> FAX (86) 25-87123900 • World Wide Web Site - http://www.sangdest.com.cn • E-Mail Address - sales@ sangdest.com.cn •

Technical Data Data Sheet N0220, Rev. A **Green Products** 

## **Ordering Information:**

| Device      | Package         | Shipping       |
|-------------|-----------------|----------------|
| P4KE SERIES | DO-41 (Pb-Free) | 5000pcs / reel |

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.

## Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

| Characteristic  | Symbol   | Value       | Unit |
|---|----------|-------------|------|
| Peak Pulse Power Dissipation at T <sub>A</sub> = 25°C (Note 1, 2, 5) Figure 1 | РРРМ     | 400         | w    |
| Peak Forward Surge Current per Figure 6 (Note 3)                              | IFSM     | 40          | Α    |
| Peak Pulse Current on 10/1000µS Waveform (Note 1) Figure 3                    | ІРРМ     | See Table 1 | Α    |
| Steady State Power Dissipation (Note 2, 4)                                    | Pm(AV)   | 1.0         | W    |
| Operating and Storage Temperature Range                                       | Тј, Тѕтс | -65 to +175 | °C   |

Note: 1. Non-repetitive current pulse, per Figure 3 and derated above T<sub>A</sub> = 25°C per Figure 2

- 2. Mounted on 40mm<sup>2</sup>copper pad
- 3. 8.3ms single half sine-wave duty cycle = 4 pulses per minutes maximum
- 4. Lead temperature at 75°C = TL
- 5. Peak pulse power waveform is 10/1000µS

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**Technical Data** Data Sheet N0220, Rev. A

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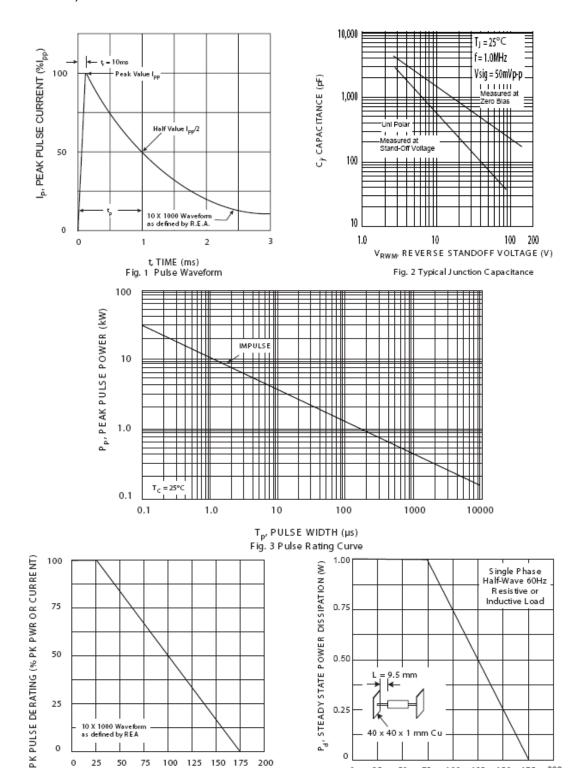
10 X 1000 Waveform as defined by REA

100 125 150 175

T<sub>A</sub>, AMBIENT TEMPERATURE (°C)

Fig. 4 Pulse Derating Curve

**Green Products** 



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0.25

0

0 25 50 75 100 125 150

TL, LEAD TEMPERATURE (°C)

Fig. 5, Steady State Power Derating

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Technical Data Green Products

Data Sheet N0220, Rev. A

## **UNI-DIRECTIONAL 400 WATT AXIAL LEAD TVS**

| UNI-DIRECTIONAL<br>PART NUMBER | REVERSE<br>STAND-OFF<br>VOLTAGE VRWM (V) | BREAKDOWN<br>VOLTAGE<br>VBR (V) MIN. @IT | BREAKDOWN<br>VOLTAGE<br>VBR (V) MAX. @IT | TEST<br>CURRENT<br>IT (mA) | MAXIMUM CLAMPING<br>VOLTAGE @lpp Vc (V) | PEAK PULSE<br>CURRENT<br>lpp (A) | REVERSE<br>LEAKAGE<br>@VRWM IR (uA |
|--------------------------------|--|--|--|----------------------------|---|----------------------------------|------------------------------------|
| P4KE6.8                        | 5.50                                     | 6.12                                     | 7.48                                     | 10                         | 10.8                                    | 38.00                            | 1000                               |
| P4KE6.8A                       | 5.80                                     | 6.45                                     | 7.14                                     | 10                         | 10.5                                    | 40.00                            | 1000                               |
| P4KE7.5<br>P4KE7.5A            | 6.05<br>6.40                             | 6.75<br>7.13                             | 8.25<br>7.88                             | 10<br>10                   | 11.7<br>11.3                            | 36.00<br>37.00                   | 500<br>500                         |
| P4KE8.2                        | 6.63                                     | 7.38                                     | 9.02                                     | 10                         | 12.5                                    | 33.00                            | 200                                |
| P4KE8.2A                       | 7.02                                     | 7.79                                     | 8.61                                     | 10                         | 12.1                                    | 35.00                            | 200                                |
| P4KE9.1                        | 7.37                                     | 8.19                                     | 10.00                                    | 1                          | 13.8                                    | 30.00                            | 50                                 |
| P4KE9.1A                       | 7.78                                     | 8.65                                     | 9.50                                     | 1                          | 13.4                                    | 31.00                            | 50                                 |
| P4KE10                         | 8.10                                     | 9.00                                     | 11.00                                    | 1                          | 15.0                                    | 28.00                            | 10                                 |
| P4KE10A<br>P4KE11              | 8.55<br>8.92                             | 9.50<br>9.90                             | 10.50<br>12.10                           | 1 1                        | 14.5<br>16.2                            | 29.00<br>26.00                   | 10<br>5                            |
| P4KE11A                        | 9.40                                     | 10.50                                    | 11.60                                    | 1 1                        | 15.6                                    | 27.00                            | 5                                  |
| P4KE12                         | 9.72                                     | 10.80                                    | 13.20                                    | 1                          | 17.3                                    | 24.00                            | 5                                  |
| P4KE12A                        | 10.20                                    | 11.40                                    | 12.60                                    | 1                          | 16.7                                    | 25.00                            | 5                                  |
| P4KE13                         | 10.50                                    | 11.70                                    | 14.30                                    | 1                          | 19.0                                    | 22.00                            | 5                                  |
| P4KE13A                        | 11.10                                    | 12.40                                    | 13.70                                    | 1                          | 18.2                                    | 23.00                            | 5                                  |
| P4KE15<br>P4KE15A              | 12.10<br>12.80                           | 13.50                                    | 16.50<br>15.80                           | 1                          | 22.0<br>21.2                            | 19.00                            | 5                                  |
| P4KE15A<br>P4KE16              | 12.80                                    | 14.30<br>14.40                           | 17.60                                    | 1 1                        | 23.5                                    | 20.00<br>18.00                   | 5<br>5                             |
| P4KE16A                        | 13.60                                    | 15.20                                    | 16.80                                    | 1                          | 22.5                                    | 19.00                            | 5                                  |
| P4KE18                         | 14.50                                    | 16.20                                    | 19.80                                    | 1                          | 26.5                                    | 16.00                            | 5                                  |
| P4KE18A                        | 15.30                                    | 17.10                                    | 18.90                                    | 1                          | 25.2                                    | 17.00                            | 5                                  |
| P4KE20                         | 16.20                                    | 18.00                                    | 22.00                                    | 1                          | 29.1                                    | 14.00                            | 5                                  |
| P4KE20A                        | 17.10                                    | 19.00                                    | 21.00                                    | 1                          | 27.7                                    | 15.00                            | 5                                  |
| P4KE22                         | 17.80                                    | 19.80                                    | 24.20                                    | 1                          | 31.9                                    | 13.00                            | 5                                  |
| P4KE22A                        | 18.80                                    | 20.90                                    | 23.10                                    | 1                          | 30.6                                    | 14.00                            | 5                                  |
| P4KE24<br>P4KE24A              | 19.40<br>20.50                           | 21.60<br>22.80                           | 26.40<br>25.20                           | 1 1                        | 34.7<br>33.2                            | 12.00<br>13.00                   | 5<br>5                             |
| P4KE24A<br>P4KE27              | 20.50                                    | 24.30                                    | 25.20                                    | 1                          | 33.2                                    | 11.00                            | 5                                  |
| P4KE27A                        | 23.10                                    | 25.70                                    | 28.40                                    | 1                          | 37.5                                    | 11.20                            | 5                                  |
| P4KE30                         | 24.30                                    | 27.00                                    | 33.00                                    | 1                          | 43.5                                    | 10.00                            | 5                                  |
| P4KE30A                        | 25.60                                    | 28.50                                    | 31.50                                    | 1                          | 41.4                                    | 10.00                            | 5                                  |
| P4KE33                         | 26.80                                    | 29.70                                    | 36.30                                    | 1                          | 47.7                                    | 9.00                             | 5                                  |
| P4KE33A                        | 28.20                                    | 31.40                                    | 34.70                                    | 1                          | 45.7                                    | 9.00                             | 5                                  |
| P4KE36                         | 29.10                                    | 32.40                                    | 39.60                                    | 1                          | 52.0                                    | 8.00                             | 5                                  |
| P4KE36A                        | 30.80                                    | 34.20                                    | 37.80<br>42.90                           | 1                          | 49.9                                    | 8.40                             | 5<br>5                             |
| P4KE39<br>P4KE39A              | 31.60<br>33.30                           | 35.10<br>37.10                           | 42.90<br>41.00                           | 1                          | 56.4<br>53.9                            | 7.40<br>7.80                     | 5                                  |
| P4KE43                         | 34.80                                    | 38.70                                    | 47.30                                    | 1                          | 61.9                                    | 6.80                             | 5                                  |
| P4KE43A                        | 36.80                                    | 40.90                                    | 45.20                                    | l i                        | 59.3                                    | 7.10                             | 5                                  |
| P4KE47                         | 38.10                                    | 42.30                                    | 51.70                                    | 1                          | 67.8                                    | 6.20                             | 5                                  |
| P4KE47A                        | 40.20                                    | 44.70                                    | 49.40                                    | 1                          | 64.8                                    | 5.00                             | 5                                  |
| P4KE51                         | 41.30                                    | 45.90                                    | 56.10                                    | 1                          | 73.5                                    | 5.70                             | 5                                  |
| P4KE51A                        | 43.60                                    | 48.50                                    | 53.60                                    | 1                          | 70.1                                    | 6.00                             | 5                                  |
| P4KE56<br>P4KE56A              | 45.60                                    | 50.40<br>53.20                           | 61.60                                    | 1 1                        | 80.5<br>77.0                            | 5.20                             | 5<br>5                             |
| P4KE62                         | 47.80<br>50.20                           | 55.80                                    | 58.80<br>68.20                           | 1                          | 89.0                                    | 5.50<br>4.70                     | 5                                  |
| P4KE62A                        | 53.00                                    | 58.90                                    | 65.10                                    | 1                          | 85.0                                    | 5.00                             | 5                                  |
| P4KE68                         | 55.10                                    | 61.20                                    | 74.80                                    | 1                          | 98.0                                    | 4.30                             | 5                                  |
| P4KE68A                        | 58.10                                    | 64.60                                    | 71.40                                    | 1                          | 92.0                                    | 4.60                             | 5                                  |
| P4KE75                         | 60.70                                    | 67.50                                    | 82.50                                    | 1                          | 108.0                                   | 3.90                             | 5                                  |
| P4KE75A                        | 64.10                                    | 71.30                                    | 78.80                                    | 1                          | 103.0                                   | 4.10                             | 5                                  |
| P4KE82                         | 66.40                                    | 73.80                                    | 90.20                                    | 1                          | 118.0                                   | 3.60                             | 5                                  |
| P4KE82A<br>P4KE91              | 70.10<br>73.70                           | 77.90<br>81.90                           | 86.10<br>100.00                          | 1                          | 113.0<br>131.0                          | 3.70<br>3.20                     | 5<br>5                             |
| P4KE91<br>P4KE91A              | 77.80                                    | 86.50                                    | 95.50                                    | 1                          | 125.0                                   | 3.40                             | 5                                  |
| P4KE100                        | 81.00                                    | 90.00                                    | 110.00                                   | 1                          | 144.0                                   | 2.90                             | 5                                  |
| P4KE100A                       | 85.50                                    | 95.00                                    | 105.00                                   | i                          | 137.0                                   | 3.10                             | 5                                  |
| P4KE110                        | 89.20                                    | 99.00                                    | 121.00                                   | 1                          | 158.0                                   | 2.70                             | 5                                  |
| P4KE110A                       | 94.00                                    | 105.00                                   | 116.00                                   | 1                          | 152.0                                   | 2.80                             | 5                                  |
| P4KE120                        | 97.20                                    | 108.00                                   | 132.00                                   | 1                          | 173.0                                   | 2.40                             | 5                                  |
| P4KE120A                       | 102.00                                   | 114.00                                   | 126.00                                   | 1                          | 165.0                                   | 2.50                             | 5                                  |
| P4KE130<br>P4KE130A            | 105.00<br>111.00                         | 117.00<br>124.00                         | 143.00<br>137.00                         | 1 1                        | 187.0<br>179.0                          | 2.20<br>2.30                     | 5<br>5                             |
| P4KE150A                       | 121.00                                   | 135.00                                   | 165.00                                   | 1                          | 215.0                                   | 2.00                             | 5                                  |
| P4KE150A                       | 128.00                                   | 143.00                                   | 158.00                                   | 1                          | 207.0                                   | 2.00                             | 5                                  |
| P4KE160                        | 130.00                                   | 144.00                                   | 176.00                                   | 1                          | 230.0                                   | 1.80                             | 5                                  |
| P4KE160A                       | 136.00                                   | 152.00                                   | 168.00                                   | 1                          | 219.0                                   | 1.90                             | 5                                  |
| P4KE170                        | 138.00                                   | 153.00                                   | 187.00                                   | 1                          | 244.0                                   | 1.70                             | 5                                  |
| P4KE170A                       | 145.00                                   | 162.00                                   | 179.00                                   | 1                          | 234.0                                   | 1.80                             | 5                                  |
| P4KE180                        | 146.00                                   | 162.00<br>171.00                         | 198.00                                   | 1                          | 258.0                                   | 1.60                             | 5                                  |
| P4KE180A<br>P4KE200            | 154.00<br>162.00                         | 171.00                                   | 189.00<br>220.00                         | 1                          | 246.0<br>287.0                          | 1.70<br>1.50                     | 5<br>5                             |
| P4KE200<br>P4KE200A            | 162.00                                   | 180.00<br>190.00                         | 220.00                                   | 1                          | 287.0                                   | 1.50                             | 5                                  |
| P4KE200A<br>P4KE220            | 175.00                                   | 198.00                                   | 242.00                                   | 1                          | 344.0                                   | 1.20                             | 5                                  |
| P4KE220A                       | 185.00                                   | 209.00                                   | 231.00                                   | 1                          | 328.0                                   | 1.20                             | 5                                  |
| P4KE250                        | 202.00                                   | 225.00                                   | 275.00                                   | 1                          | 360.0                                   | 1.10                             | 5                                  |
| P4KE250A                       | 214.00                                   | 237.00                                   | 263.00                                   | 1                          | 344.0                                   | 1.20                             | 5                                  |
| P4KE300                        | 243.00                                   | 270.00                                   | 330.00                                   | 1                          | 430.0                                   | 0.90                             | 5                                  |
| P4KE300A                       | 256.00                                   | 285.00                                   | 315.00                                   | 1                          | 414.0                                   | 1.00                             | 5                                  |
| P4KE350                        | 284.00                                   | 315.00                                   | 385.00                                   | 1                          | 504.0                                   | 0.80                             | 5                                  |
| P4KE350A                       | 300.00                                   | 332.00                                   | 368.00                                   | 1                          | 482.0                                   | 0.80                             | 5                                  |
| P4KE400<br>P4KE400A            | 324.00<br>342.00                         | 360.00<br>380.00                         | 440.00<br>420.00                         | 1 1                        | 574.0<br>548.0                          | 0.70<br>0.70                     | 5<br>5                             |
|                                | 356.00                                   | 396.00                                   | 484.00                                   | 1                          | 631.0                                   | 1.00                             | 5                                  |
| P4KE440                        |  |  |  |                            |   |                                  |                                    |

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**Technical Data Green Products** Data Sheet N0220, Rev. A

### **BI-DIRECTIONAL 400 WATT AXIAL LEAD TVS**

| BI-DIRECTIONAL<br>PART NUMBER | REVERSE<br>STAND-OFF<br>VOLTAGE VRWM (V) | BREAKDOWN<br>VOLTAGE<br>VBR (V) MIN. @IT | BREAKDOWN<br>VOLTAGE<br>VBR (V) MAX. @IT | TEST<br>CURRENT<br>IT (mA) | MAXIMUM CLAMPING<br>VOLTAGE @lpp Vc (V) | PEAK PULSE<br>CURRENT<br>Ipp (A) | REVERSE<br>LEAKAGE<br>@VRWM IR (uA) |
|-------------------------------|--|--|--|----------------------------|---|----------------------------------|-------------------------------------|
| P4KE6.8C                      | 5.50                                     | 6.12                                     | 7.48                                     | 10                         | 10.8                                    | 38.00                            | 2000                                |
| P4KE6.8CA                     | 5.80                                     | 6.45                                     | 7.14                                     | 10                         | 10.5                                    | 40.00                            | 2000                                |
| P4KE7.5C<br>P4KE7.5CA         | 6.05<br>6.40                             | 6.75<br>7.13                             | 8.25<br>7.88                             | 10<br>10                   | 11.7<br>11.3                            | 36.00<br>37.00                   | 1000<br>1000                        |
| P4KE82C                       | 6.63                                     | 7.38                                     | 9.02                                     | 10                         | 12.5                                    | 33.00                            | 400                                 |
| P4KE82CA                      | 7.02                                     | 7.79                                     | 8.61                                     | 10                         | 12.1                                    | 35.00                            | 400                                 |
| P4KE9.1C                      | 7.37                                     | 8.19                                     | 10.00                                    | 1                          | 13.8                                    | 30.00                            | 10                                  |
| P4KE9.1CA                     | 7.78                                     | 8.65                                     | 9.50                                     | 1                          | 13.4                                    | 31.00                            | 10                                  |
| P4KE10C                       | 8.10                                     | 9.00                                     | 11.00                                    | 1                          | 15.0                                    | 28.00                            | 20                                  |
| P4KE10CA                      | 8.55                                     | 9.50                                     | 10.50                                    | 1                          | 14.5                                    | 29.00                            | 20                                  |
| P4KE11C                       | 8.92                                     | 9.90                                     | 12.10                                    | 1 1                        | 16.2                                    | 26.00                            | 10                                  |
| P4KE11CA<br>P4KE12C           | 9.40<br>9.72                             | 10.50<br>10.80                           | 11.60<br>13.20                           | 1                          | 15.6<br>17.3                            | 27.00<br>24.00                   | 10<br>5                             |
| P4KE12CA                      | 10.20                                    | 11.40                                    | 12.60                                    | 1                          | 16.7                                    | 25.00                            | 5                                   |
| P4KE13C                       | 10.50                                    | 11.70                                    | 14.30                                    | i i                        | 19.0                                    | 22.00                            | 5                                   |
| P4KE13CA                      | 11.10                                    | 12.40                                    | 13.70                                    | 1                          | 18.2                                    | 23.00                            | 5                                   |
| P4KE15C                       | 12.10                                    | 13.50                                    | 16.50                                    | 1                          | 22.0                                    | 19.00                            | 5                                   |
| P4KE15CA                      | 12.80                                    | 14.30                                    | 15.80                                    | 1                          | 21.2                                    | 20.00                            | 5                                   |
| P4KE16C                       | 12.90                                    | 14.40                                    | 17.60                                    | 1                          | 23.5                                    | 18.00                            | 5                                   |
| P4KE16CA                      | 13.60                                    | 15.20                                    | 16.80                                    | 1                          | 22.5                                    | 19.00                            | 5                                   |
| P4KE18C                       | 14.50                                    | 16.20                                    | 19.80                                    | 1                          | 26.5<br>25.2                            | 16.00                            | 5                                   |
| P4KE18CA<br>P4KE20C           | 15.30<br>16.20                           | 17.10<br>18.00                           | 18.90<br>22.00                           | 1 1                        | 25.2<br>29.1                            | 17.00<br>14.00                   | 5<br>5                              |
| P4KE20CA                      | 17.10                                    | 19.00                                    | 21.00                                    | 1 1                        | 27.7                                    | 15.00                            | 5                                   |
| P4KE22C                       | 17.80                                    | 19.80                                    | 24.20                                    | 1                          | 31.9                                    | 13.00                            | 5                                   |
| P4KE22CA                      | 18.80                                    | 20.90                                    | 23.10                                    | 1                          | 30.6                                    | 14.00                            | 5                                   |
| P4KE24C                       | 19.40                                    | 21.60                                    | 26.40                                    | 1                          | 34.7                                    | 12.00                            | 5                                   |
| P4KE24CA                      | 20.50                                    | 22.80                                    | 25.20                                    | 1                          | 33.2                                    | 13.00                            | 5                                   |
| P4KE27C                       | 21.80                                    | 24.30                                    | 29.70                                    | 1                          | 39.1                                    | 11.00                            | 5                                   |
| P4KE27CA<br>P4KE30C           | 23.10                                    | 25.70                                    | 28.40                                    | 1                          | 37.5                                    | 11.20                            | 5                                   |
| P4KE30CA                      | 24.30<br>25.60                           | 27.00<br>28.50                           | 33.00<br>31.50                           | 1 1                        | 43.5<br>41.4                            | 10.00<br>10.00                   | 5<br>5                              |
| P4KE33C                       | 26.80                                    | 29.70                                    | 36.30                                    | 1                          | 47.7                                    | 9.00                             | 5                                   |
| P4KE33CA                      | 28.20                                    | 31.40                                    | 34.70                                    | 1 1                        | 45.7                                    | 9.00                             | 5                                   |
| P4KE36C                       | 29.10                                    | 32.40                                    | 39.60                                    | 1                          | 52.0                                    | 8.00                             | 5                                   |
| P4KE36CA                      | 30.80                                    | 34.20                                    | 37.80                                    | 1                          | 49.9                                    | 8.40                             | 5                                   |
| P4KE39C                       | 31.60                                    | 35.10                                    | 42.90                                    | 1                          | 56.4                                    | 7.40                             | 5                                   |
| P4KE39CA                      | 33.30                                    | 37.10                                    | 41.00                                    | 1                          | 53.9                                    | 7.80                             | 5                                   |
| P4KE43C                       | 34.80                                    | 38.70                                    | 47.30                                    | 1                          | 61.9                                    | 6.80                             | 5                                   |
| P4KE43CA                      | 36.80                                    | 40.90                                    | 45.20                                    | 1                          | 59.3                                    | 7.10                             | 5                                   |
| P4KE47C<br>P4KE47CA           | 38.10<br>40.20                           | 42.30<br>44.70                           | 51.70<br>49.40                           | 1                          | 67.8<br>64.8                            | 6.20<br>5.00                     | 5                                   |
| P4KE51C                       | 41.30                                    | 45.90                                    | 56.10                                    | 1                          | 73.5                                    | 5.70                             | 5                                   |
| P4KE51CA                      | 43.60                                    | 48.50                                    | 53.60                                    | l i                        | 70.1                                    | 6.00                             | 5                                   |
| P4KE56C                       | 45.60                                    | 50.40                                    | 61.60                                    | 1                          | 80.5                                    | 5.20                             | 5                                   |
| P4KE56CA                      | 47.80                                    | 53.20                                    | 58.80                                    | 1                          | 77.0                                    | 5.50                             | 5                                   |
| P4KE62C                       | 50.20                                    | 55.80                                    | 68.20                                    | 1                          | 89.0                                    | 4.70                             | 5                                   |
| P4KE62CA                      | 53.00                                    | 58.90                                    | 65.10                                    | 1                          | 85.0                                    | 5.00                             | 5                                   |
| P4KE68C                       | 55.10                                    | 61.20                                    | 74.80                                    | 1 1                        | 98.0                                    | 4.30                             | 5                                   |
| P4KE68CA<br>P4KE75C           | 58.10<br>60.70                           | 64.60<br>67.50                           | 71.40<br>82.50                           | 1 1                        | 92.0<br>108.0                           | 4.60<br>3.90                     | 5<br>5                              |
| P4KE75CA                      | 64.10                                    | 71.30                                    | 78.80                                    | 1 1                        | 103.0                                   | 4.10                             | 5                                   |
| P4KE82C                       | 66.40                                    | 73.80                                    | 90.20                                    | 1                          | 118.0                                   | 3.60                             | 5                                   |
| P4KE82CA                      | 70.10                                    | 77.90                                    | 86.10                                    | i i                        | 113.0                                   | 3.70                             | 5                                   |
| P4KE91C                       | 73.70                                    | 81.90                                    | 100.00                                   | 1                          | 131.0                                   | 3.20                             | 5                                   |
| P4KE91CA                      | 77.80                                    | 86.50                                    | 95.50                                    | 1                          | 125.0                                   | 3.40                             | 5                                   |
| P4KE100C                      | 81.00                                    | 90.00                                    | 110.00                                   | 1                          | 144.0                                   | 2.90                             | 5                                   |
| P4KE100CA                     | 85.50                                    | 95.00                                    | 105.00                                   | 1                          | 137.0                                   | 3.10                             | 5                                   |
| P4KE110C<br>P4KE110CA         | 89.20<br>94.00                           | 99.00<br>105.00                          | 121.00<br>116.00                         | 1 1                        | 158.0<br>152.0                          | 2.70<br>2.80                     | 5<br>5                              |
| P4KE120C                      | 97.20                                    | 108.00                                   | 132.00                                   | 1                          | 173.0                                   | 2.40                             | 5                                   |
| P4KE120CA                     | 102.00                                   | 114.00                                   | 126.00                                   | 1 1                        | 165.0                                   | 2.50                             | 5                                   |
| P4KE130C                      | 105.00                                   | 117.00                                   | 143.00                                   | i                          | 187.0                                   | 2.20                             | 5                                   |
| P4KE130CA                     | 111.00                                   | 124.00                                   | 137.00                                   | 1                          | 179.0                                   | 2.30                             | 5                                   |
| P4KE150C                      | 121.00                                   | 135.00                                   | 165.00                                   | 1                          | 215.0                                   | 2.00                             | 5                                   |
| P4KE150CA                     | 128.00                                   | 143.00                                   | 158.00                                   | 1                          | 207.0                                   | 2.00                             | 5                                   |
| P4KE160C                      | 130.00                                   | 144.00                                   | 176.00                                   | 1                          | 230.0                                   | 1.80                             | 5                                   |
| P4KE160CA<br>P4KE170C         | 136.00<br>138.00                         | 152.00<br>153.00                         | 168.00<br>187.00                         | 1                          | 219.0<br>244.0                          | 1.90<br>1.70                     | 5<br>5                              |
| P4KE170CA                     | 145.00                                   | 162.00                                   | 179.00                                   | 1                          | 234.0                                   | 1.80                             | 5                                   |
| P4KE180C                      | 146.00                                   | 162.00                                   | 198.00                                   | 1 1                        | 258.0                                   | 1.60                             | 5                                   |
| P4KE180CA                     | 154.00                                   | 171.00                                   | 189.00                                   | i                          | 246.0                                   | 1.70                             | 5                                   |
| P4KE200C                      | 162.00                                   | 180.00                                   | 220.00                                   | 1                          | 287.0                                   | 1.50                             | 5                                   |
| P4KE200CA                     | 171.00                                   | 190.00                                   | 210.00                                   | 1                          | 274.0                                   | 1.53                             | 5                                   |
| P4KE220C                      | 175.00                                   | 198.00                                   | 242.00                                   | 1                          | 344.0                                   | 1.16                             | 5                                   |
| P4KE220CA                     | 185.00                                   | 209.00                                   | 231.00                                   | 1                          | 328.0                                   | 1.22                             | 5                                   |
| P4KE250C                      | 202.00                                   | 225.00                                   | 275.00                                   | 1                          | 360.0                                   | 1.11                             | 5                                   |
| P4KE250CA<br>P4KE300C         | 214.00<br>243.00                         | 237.00<br>270.00                         | 263.00<br>330.00                         | 1 1                        | 344.0<br>430.0                          | 1.16<br>0.93                     | 5                                   |
| P4KE300CA                     | 243.00<br>256.00                         | 270.00<br>285.00                         | 330.00<br>315.00                         | 1 1                        | 430.0<br>414.0                          | 0.93                             | 5<br>5                              |
| P4KE350CA<br>P4KE350C         | 284.00                                   | 315.00                                   | 385.00                                   | 1                          | 504.0                                   | 0.97                             | 5                                   |
| P4KE350CA                     | 300.00                                   | 332.00                                   | 368.00                                   | 1                          | 482.0                                   | 0.83                             | 5                                   |
| P4KE400C                      | 324.00                                   | 360.00                                   | 440.00                                   | i i                        | 574.0                                   | 0.70                             | 5                                   |
| P4KE400CA                     | 342.00                                   | 380.00                                   | 420.00                                   | 1                          | 548.0                                   | 0.73                             | 5                                   |
| P4KE440C                      | 356.00                                   | 396.00                                   | 484.00                                   | 1                          | 631.0                                   | 0.95                             | 5                                   |
| P4KE440CA                     | 376.00                                   | 418.00                                   | 462.00                                   | 1                          | 600.0                                   | 1.00                             | 5                                   |



Technical Data Data Sheet N0220, Rev. A **Green Products** 

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