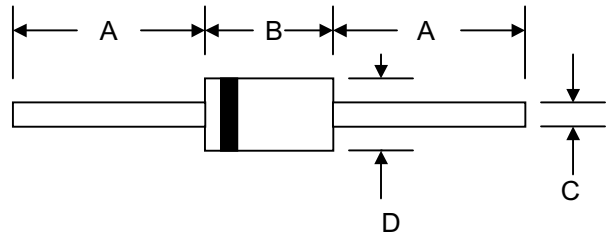


**Features**

- Glass Passivated Die Construction
- 600W 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
- Green Products in Compliance with the RoHS Directive



**Mechanical Data**

- Case: JEDEC DO-15 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: 0.40 grams (approx.)

| DO-15 |       |       |         |       |
|-------|-------|-------|---------|-------|
| Dim   | Min   | Max   | Min     | Max   |
| A     | 25.4  | —     | 1.000   | —     |
| B     | 5.50  | 7.62  | 0.217   | 0.300 |
| C     | 0.71  | 0.864 | 0.028   | 0.034 |
| D     | 2.60  | 3.60  | 0.102   | 0.142 |
|       | In mm |       | In inch |       |

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

**Maximum Ratings and Electrical Characteristics** @ $T_A=25^{\circ}C$  unless otherwise specified

| Characteristic  | Symbol         | Value       | Unit        |
|---|----------------|-------------|-------------|
| Peak Pulse Power Dissipation at $T_A = 25^{\circ}C$ (Note 1, 2, 5) Figure 1 | PPPM           | 600 Minimum | W           |
| Peak Forward Surge Current per Figure 6 (Note 3)                            | IFSM           | 100         | A           |
| Peak Pulse Current on 10/1000 $\mu$ S Waveform (Note 1) Figure 3            | IPPM           | See Table 1 | A           |
| Steady State Power Dissipation (Note 2, 4)                                  | PM(AV)         | 5.0         | W           |
| Operating and Storage Temperature Range                                     | $T_j, T_{STG}$ | -65 to +175 | $^{\circ}C$ |

- Note: 1. Non-repetitive current pulse, per Figure 3 and derated above  $T_A = 25^{\circ}C$  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  $75^{\circ}C = T_L$   
 5. Peak pulse power waveform is 10/1000 $\mu$ S



Fig. 1 Pulse Waveform

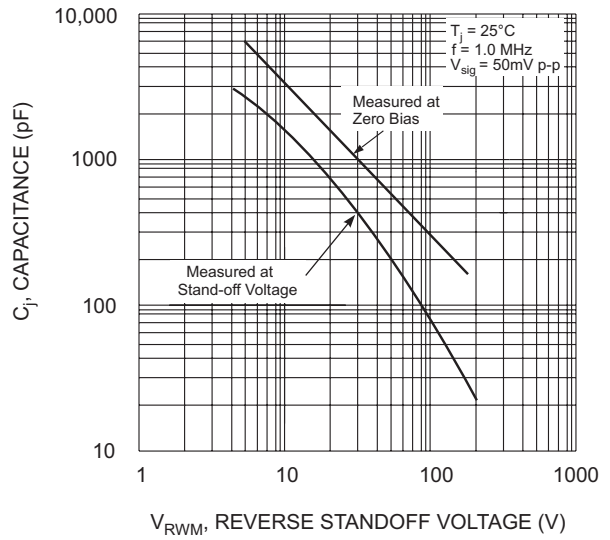


Fig. 2 Typical Junction Capacitance

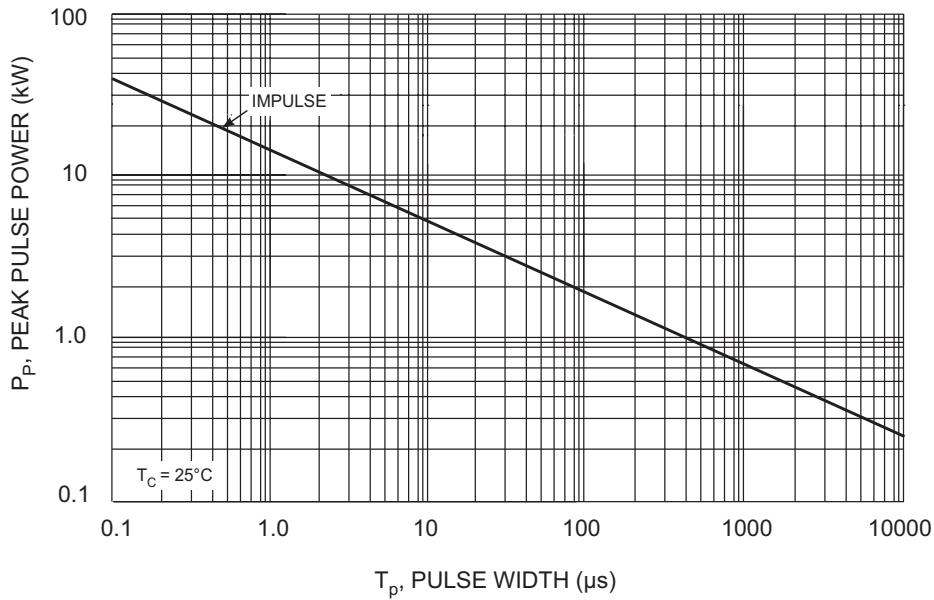


Fig. 3 Pulse Rating Curve



Fig. 4 Pulse Derating Curve

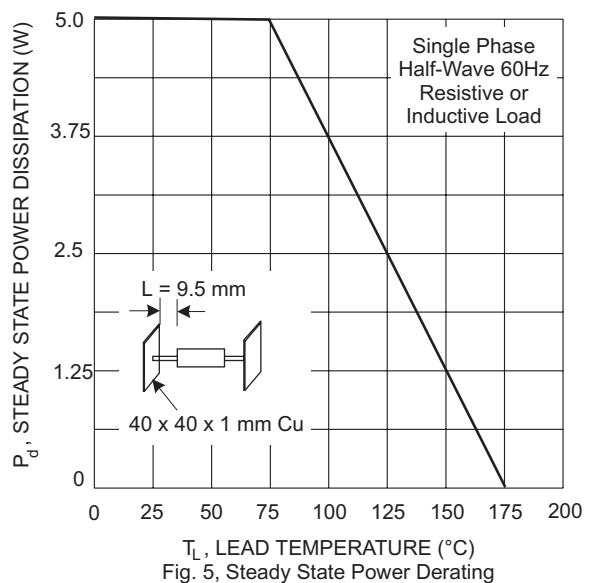


Fig. 5, Steady State Power Derating

## UNI-DIRECTIONAL 600 WATT AXIAL LEAD TVS

| UNI-DIRECTIONAL PART NUMBER | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @Ipp Vc (V) | PEAK PULSE CURRENT Ipp (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|-----------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| P6KE6.8-G                   | 5.50                               | 6.12                               | 7.48                               | 10                   | 10.8                                 | 56.00                      | 1000                          |
| P6KE6.8A-G                  | 5.80                               | 6.45                               | 7.14                               | 10                   | 10.5                                 | 57.00                      | 1000                          |
| P6KE7.5-G                   | 6.05                               | 6.75                               | 8.25                               | 10                   | 11.7                                 | 51.00                      | 500                           |
| P6KE7.5A-G                  | 6.40                               | 7.13                               | 7.88                               | 10                   | 11.3                                 | 53.00                      | 500                           |
| P6KE8.2-G                   | 6.63                               | 7.38                               | 9.02                               | 10                   | 12.5                                 | 48.00                      | 200                           |
| P6KE8.2A-G                  | 7.02                               | 7.79                               | 8.61                               | 10                   | 12.1                                 | 50.00                      | 200                           |
| P6KE9.1-G                   | 7.37                               | 8.19                               | 10.00                              | 1                    | 13.8                                 | 44.00                      | 50                            |
| P6KE9.1A-G                  | 7.78                               | 8.65                               | 9.50                               | 1                    | 13.4                                 | 45.00                      | 50                            |
| P6KE10-G                    | 8.10                               | 9.00                               | 11.00                              | 1                    | 15.0                                 | 40.00                      | 10                            |
| P6KE10A-G                   | 8.55                               | 9.50                               | 10.50                              | 1                    | 14.5                                 | 41.00                      | 10                            |
| P6KE11-G                    | 8.92                               | 9.90                               | 12.10                              | 1                    | 16.2                                 | 37.00                      | 5                             |
| P6KE11A-G                   | 9.40                               | 10.50                              | 11.60                              | 1                    | 15.6                                 | 38.00                      | 5                             |
| P6KE12-G                    | 9.72                               | 10.80                              | 13.20                              | 1                    | 17.3                                 | 35.00                      | 5                             |
| P6KE12A-G                   | 10.20                              | 11.40                              | 12.60                              | 1                    | 16.7                                 | 36.00                      | 5                             |
| P6KE13-G                    | 10.50                              | 11.70                              | 14.30                              | 1                    | 19.0                                 | 32.00                      | 5                             |
| P6KE13A-G                   | 11.10                              | 12.40                              | 13.70                              | 1                    | 18.2                                 | 33.00                      | 5                             |
| P6KE15-G                    | 12.10                              | 13.50                              | 16.50                              | 1                    | 22.0                                 | 27.00                      | 5                             |
| P6KE15A-G                   | 12.80                              | 14.30                              | 15.80                              | 1                    | 21.2                                 | 28.00                      | 5                             |
| P6KE16-G                    | 12.90                              | 14.40                              | 17.60                              | 1                    | 23.5                                 | 26.00                      | 5                             |
| P6KE16A-G                   | 13.60                              | 15.20                              | 16.80                              | 1                    | 22.5                                 | 27.00                      | 5                             |
| P6KE18-G                    | 14.50                              | 16.20                              | 19.80                              | 1                    | 26.5                                 | 23.00                      | 5                             |
| P6KE18A-G                   | 15.30                              | 17.10                              | 18.90                              | 1                    | 25.2                                 | 24.00                      | 5                             |
| P6KE20-G                    | 16.20                              | 18.00                              | 22.00                              | 1                    | 29.1                                 | 21.00                      | 5                             |
| P6KE20A-G                   | 17.10                              | 19.00                              | 21.00                              | 1                    | 27.7                                 | 22.00                      | 5                             |
| P6KE22-G                    | 17.80                              | 19.80                              | 24.20                              | 1                    | 31.9                                 | 19.00                      | 5                             |
| P6KE22A-G                   | 18.80                              | 20.90                              | 23.10                              | 1                    | 30.6                                 | 20.00                      | 5                             |
| P6KE24-G                    | 19.40                              | 21.60                              | 26.40                              | 1                    | 34.7                                 | 17.00                      | 5                             |
| P6KE24A-G                   | 20.50                              | 22.80                              | 25.20                              | 1                    | 33.2                                 | 18.00                      | 5                             |
| P6KE27-G                    | 21.80                              | 24.30                              | 29.70                              | 1                    | 39.1                                 | 15.00                      | 5                             |
| P6KE27A-G                   | 23.10                              | 25.70                              | 28.40                              | 1                    | 37.5                                 | 16.20                      | 5                             |
| P6KE30-G                    | 24.30                              | 27.00                              | 33.00                              | 1                    | 43.5                                 | 14.00                      | 5                             |
| P6KE30A-G                   | 25.60                              | 28.50                              | 31.50                              | 1                    | 41.4                                 | 14.00                      | 5                             |
| P6KE33-G                    | 26.80                              | 29.70                              | 36.30                              | 1                    | 47.7                                 | 12.60                      | 5                             |
| P6KE33A-G                   | 28.20                              | 31.40                              | 34.70                              | 1                    | 45.7                                 | 13.20                      | 5                             |
| P6KE36-G                    | 29.10                              | 32.40                              | 39.60                              | 1                    | 52.0                                 | 11.60                      | 5                             |
| P6KE36A-G                   | 30.80                              | 34.20                              | 37.80                              | 1                    | 49.9                                 | 12.00                      | 5                             |
| P6KE39-G                    | 31.60                              | 35.10                              | 42.90                              | 1                    | 56.4                                 | 10.60                      | 5                             |
| P6KE39A-G                   | 33.30                              | 37.10                              | 41.00                              | 1                    | 53.9                                 | 11.20                      | 5                             |
| P6KE43-G                    | 34.80                              | 38.70                              | 47.30                              | 1                    | 61.9                                 | 9.60                       | 5                             |
| P6KE43A-G                   | 36.80                              | 40.90                              | 45.20                              | 1                    | 59.3                                 | 10.10                      | 5                             |
| P6KE47-G                    | 38.10                              | 42.30                              | 51.70                              | 1                    | 67.8                                 | 8.90                       | 5                             |
| P6KE47A-G                   | 40.20                              | 44.70                              | 49.40                              | 1                    | 64.8                                 | 9.30                       | 5                             |
| P6KE51-G                    | 41.30                              | 45.90                              | 56.10                              | 1                    | 73.5                                 | 8.20                       | 5                             |
| P6KE51A-G                   | 43.60                              | 48.50                              | 53.60                              | 1                    | 70.1                                 | 8.60                       | 5                             |
| P6KE56-G                    | 45.60                              | 50.40                              | 61.60                              | 1                    | 80.5                                 | 7.40                       | 5                             |
| P6KE56A-G                   | 47.80                              | 53.20                              | 58.80                              | 1                    | 77.0                                 | 7.80                       | 5                             |
| P6KE62-G                    | 50.20                              | 55.80                              | 68.20                              | 1                    | 89.0                                 | 6.80                       | 5                             |
| P6KE62A-G                   | 53.00                              | 58.90                              | 65.10                              | 1                    | 85.0                                 | 7.10                       | 5                             |
| P6KE68-G                    | 55.10                              | 61.20                              | 74.80                              | 1                    | 98.0                                 | 6.10                       | 5                             |
| P6KE68A-G                   | 58.10                              | 64.60                              | 71.40                              | 1                    | 92.0                                 | 6.50                       | 5                             |
| P6KE75-G                    | 60.70                              | 67.50                              | 82.50                              | 1                    | 108.0                                | 5.50                       | 5                             |
| P6KE75A-G                   | 64.10                              | 71.30                              | 78.80                              | 1                    | 103.0                                | 5.80                       | 5                             |
| P6KE82-G                    | 66.40                              | 73.80                              | 90.20                              | 1                    | 118.0                                | 5.10                       | 5                             |
| P6KE82A-G                   | 70.10                              | 77.90                              | 86.10                              | 1                    | 113.0                                | 5.30                       | 5                             |
| P6KE91-G                    | 73.70                              | 81.90                              | 100.00                             | 1                    | 131.0                                | 4.50                       | 5                             |
| P6KE91A-G                   | 77.80                              | 86.50                              | 95.50                              | 1                    | 125.0                                | 4.80                       | 5                             |
| P6KE100-G                   | 81.00                              | 90.00                              | 110.00                             | 1                    | 144.0                                | 4.20                       | 5                             |
| P6KE100A-G                  | 85.50                              | 95.00                              | 105.00                             | 1                    | 137.0                                | 4.40                       | 5                             |
| P6KE110-G                   | 89.20                              | 99.00                              | 121.00                             | 1                    | 158.0                                | 3.80                       | 5                             |
| P6KE110A-G                  | 94.00                              | 105.00                             | 116.00                             | 1                    | 152.0                                | 4.00                       | 5                             |
| P6KE120-G                   | 97.20                              | 108.00                             | 132.00                             | 1                    | 173.0                                | 3.50                       | 5                             |
| P6KE120A-G                  | 102.00                             | 114.00                             | 126.00                             | 1                    | 165.0                                | 3.60                       | 5                             |
| P6KE130-G                   | 105.00                             | 117.00                             | 143.00                             | 1                    | 187.0                                | 3.20                       | 5                             |
| P6KE130A-G                  | 111.00                             | 124.00                             | 137.00                             | 1                    | 179.0                                | 3.30                       | 5                             |
| P6KE150-G                   | 121.00                             | 135.00                             | 165.00                             | 1                    | 215.0                                | 2.80                       | 5                             |
| P6KE150A-G                  | 128.00                             | 143.00                             | 158.00                             | 1                    | 207.0                                | 2.90                       | 5                             |
| P6KE160-G                   | 130.00                             | 144.00                             | 176.00                             | 1                    | 230.0                                | 2.60                       | 5                             |
| P6KE160A-G                  | 136.00                             | 152.00                             | 168.00                             | 1                    | 219.0                                | 2.70                       | 5                             |
| P6KE170-G                   | 138.00                             | 153.00                             | 187.00                             | 1                    | 244.0                                | 2.50                       | 5                             |
| P6KE170A-G                  | 145.00                             | 162.00                             | 179.00                             | 1                    | 234.0                                | 2.60                       | 5                             |
| P6KE180-G                   | 146.00                             | 162.00                             | 198.00                             | 1                    | 258.0                                | 2.30                       | 5                             |
| P6KE180A-G                  | 154.00                             | 171.00                             | 189.00                             | 1                    | 246.0                                | 2.40                       | 5                             |
| P6KE200-G                   | 162.00                             | 180.00                             | 220.00                             | 1                    | 287.0                                | 2.10                       | 5                             |
| P6KE200A-G                  | 171.00                             | 190.00                             | 210.00                             | 1                    | 274.0                                | 2.20                       | 5                             |
| P6KE220-G                   | 175.00                             | 198.00                             | 242.00                             | 1                    | 344.0                                | 2.00                       | 5                             |
| P6KE220A-G                  | 185.00                             | 209.00                             | 231.00                             | 1                    | 328.0                                | 2.00                       | 5                             |
| P6KE250-G                   | 202.00                             | 225.00                             | 275.00                             | 1                    | 360.0                                | 2.00                       | 5                             |
| P6KE250A-G                  | 214.00                             | 237.00                             | 263.00                             | 1                    | 344.0                                | 2.00                       | 5                             |
| P6KE300-G                   | 243.00                             | 270.00                             | 330.00                             | 1                    | 430.0                                | 2.00                       | 5                             |
| P6KE300A-G                  | 256.00                             | 285.00                             | 315.00                             | 1                    | 414.0                                | 2.00                       | 5                             |
| P6KE350-G                   | 284.00                             | 315.00                             | 385.00                             | 1                    | 504.0                                | 2.00                       | 5                             |
| P6KE350A-G                  | 300.00                             | 332.00                             | 368.00                             | 1                    | 482.0                                | 2.00                       | 5                             |
| P6KE400-G                   | 324.00                             | 360.00                             | 440.00                             | 1                    | 574.0                                | 2.00                       | 5                             |
| P6KE400A-G                  | 342.00                             | 380.00                             | 420.00                             | 1                    | 548.0                                | 2.00                       | 5                             |
| P6KE440-G                   | 356.00                             | 396.00                             | 484.00                             | 1                    | 631.0                                | 2.00                       | 5                             |
| P6KE440A-G                  | 376.00                             | 418.00                             | 462.00                             | 1                    | 600.0                                | 2.00                       | 5                             |

## BI-DIRECTIONAL 600 WATT AXIAL LEAD TVS

| BI-DIRECTIONAL PART NUMBER | REVERSE STAND-OFF VOLTAGE VRWM (V) | BREAKDOWN VOLTAGE VBR (V) MIN. @IT | BREAKDOWN VOLTAGE VBR (V) MAX. @IT | TEST CURRENT IT (mA) | MAXIMUM CLAMPING VOLTAGE @Ipp Vc (V) | PEAK PULSE CURRENT Ipp (A) | REVERSE LEAKAGE @VRWM IR (uA) |
|----------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------------|-------------------------------|
| P6KE6.8C-G                 | 5.50                               | 6.12                               | 7.48                               | 10                   | 10.8                                 | 56.00                      | 2000                          |
| P6KE6.8CA-G                | 5.80                               | 6.45                               | 7.14                               | 10                   | 10.5                                 | 57.00                      | 2000                          |
| P6KE7.5C-G                 | 6.05                               | 6.75                               | 8.25                               | 10                   | 11.7                                 | 51.00                      | 1000                          |
| P6KE7.5CA-G                | 6.40                               | 7.13                               | 7.88                               | 10                   | 11.3                                 | 53.00                      | 1000                          |
| P6KE8.2C-G                 | 6.63                               | 7.38                               | 9.02                               | 10                   | 12.5                                 | 48.00                      | 400                           |
| P6KE8.2CA-G                | 7.02                               | 7.79                               | 8.61                               | 10                   | 12.1                                 | 50.00                      | 400                           |
| P6KE9.1C-G                 | 7.37                               | 8.19                               | 10.00                              | 1                    | 13.8                                 | 44.00                      | 100                           |
| P6KE9.1CA-G                | 7.78                               | 8.65                               | 9.50                               | 1                    | 13.4                                 | 45.00                      | 100                           |
| P6KE10C-G                  | 8.10                               | 9.00                               | 11.00                              | 1                    | 15.0                                 | 40.00                      | 20                            |
| P6KE10CA-G                 | 8.55                               | 9.50                               | 10.50                              | 1                    | 14.5                                 | 41.00                      | 20                            |
| P6KE11C-G                  | 8.92                               | 9.90                               | 12.10                              | 1                    | 16.2                                 | 37.00                      | 10                            |
| P6KE11CA-G                 | 9.40                               | 10.50                              | 11.60                              | 1                    | 15.6                                 | 38.00                      | 10                            |
| P6KE12C-G                  | 9.72                               | 10.80                              | 13.20                              | 1                    | 17.3                                 | 35.00                      | 5                             |
| P6KE12CA-G                 | 10.20                              | 11.40                              | 12.60                              | 1                    | 16.7                                 | 36.00                      | 5                             |
| P6KE13C-G                  | 10.50                              | 11.70                              | 14.30                              | 1                    | 19.0                                 | 32.00                      | 5                             |
| P6KE13CA-G                 | 11.10                              | 12.40                              | 13.70                              | 1                    | 18.2                                 | 33.00                      | 5                             |
| P6KE15C-G                  | 12.10                              | 13.50                              | 16.50                              | 1                    | 22.0                                 | 27.00                      | 5                             |
| P6KE15CA-G                 | 12.80                              | 14.30                              | 15.80                              | 1                    | 21.2                                 | 28.00                      | 5                             |
| P6KE16C-G                  | 12.90                              | 14.40                              | 17.60                              | 1                    | 23.5                                 | 26.00                      | 5                             |
| P6KE16CA-G                 | 13.60                              | 15.20                              | 16.80                              | 1                    | 22.5                                 | 27.00                      | 5                             |
| P6KE18C-G                  | 14.50                              | 16.20                              | 19.80                              | 1                    | 26.5                                 | 23.00                      | 5                             |
| P6KE18CA-G                 | 15.30                              | 17.10                              | 18.90                              | 1                    | 25.2                                 | 24.00                      | 5                             |
| P6KE20C-G                  | 16.20                              | 18.00                              | 22.00                              | 1                    | 29.1                                 | 21.00                      | 5                             |
| P6KE20CA-G                 | 17.10                              | 19.00                              | 21.00                              | 1                    | 27.7                                 | 22.00                      | 5                             |
| P6KE22C-G                  | 17.80                              | 19.80                              | 24.20                              | 1                    | 31.9                                 | 19.00                      | 5                             |
| P6KE22CA-G                 | 18.80                              | 20.90                              | 23.10                              | 1                    | 30.6                                 | 20.00                      | 5                             |
| P6KE24C-G                  | 19.40                              | 21.60                              | 26.40                              | 1                    | 34.7                                 | 17.00                      | 5                             |
| P6KE24CA-G                 | 20.50                              | 22.80                              | 25.20                              | 1                    | 33.2                                 | 18.00                      | 5                             |
| P6KE27C-G                  | 21.80                              | 24.30                              | 29.70                              | 1                    | 39.1                                 | 15.00                      | 5                             |
| P6KE27CA-G                 | 23.10                              | 25.70                              | 28.40                              | 1                    | 37.5                                 | 16.20                      | 5                             |
| P6KE30C-G                  | 24.30                              | 27.00                              | 33.00                              | 1                    | 43.5                                 | 14.00                      | 5                             |
| P6KE30CA-G                 | 25.60                              | 28.50                              | 31.50                              | 1                    | 41.4                                 | 14.00                      | 5                             |
| P6KE33C-G                  | 26.80                              | 29.70                              | 36.30                              | 1                    | 47.7                                 | 12.60                      | 5                             |
| P6KE33CA-G                 | 28.20                              | 31.40                              | 34.70                              | 1                    | 45.7                                 | 13.20                      | 5                             |
| P6KE36C-G                  | 29.10                              | 32.40                              | 39.60                              | 1                    | 52.0                                 | 11.60                      | 5                             |
| P6KE36CA-G                 | 30.80                              | 34.20                              | 37.80                              | 1                    | 49.9                                 | 12.00                      | 5                             |
| P6KE39C-G                  | 31.60                              | 35.10                              | 42.90                              | 1                    | 56.4                                 | 10.60                      | 5                             |
| P6KE39CA-G                 | 33.30                              | 37.10                              | 41.00                              | 1                    | 53.9                                 | 11.20                      | 5                             |
| P6KE43C-G                  | 34.80                              | 38.70                              | 47.30                              | 1                    | 61.9                                 | 9.60                       | 5                             |
| P6KE43CA-G                 | 36.80                              | 40.90                              | 45.20                              | 1                    | 59.3                                 | 10.10                      | 5                             |
| P6KE47C-G                  | 38.10                              | 42.30                              | 51.70                              | 1                    | 67.8                                 | 8.90                       | 5                             |
| P6KE47CA-G                 | 40.20                              | 44.70                              | 49.40                              | 1                    | 64.8                                 | 9.30                       | 5                             |
| P6KE51C-G                  | 41.30                              | 45.90                              | 56.10                              | 1                    | 73.5                                 | 8.20                       | 5                             |
| P6KE51CA-G                 | 43.60                              | 48.50                              | 53.60                              | 1                    | 70.1                                 | 8.60                       | 5                             |
| P6KE56C-G                  | 45.60                              | 50.40                              | 61.60                              | 1                    | 80.5                                 | 7.40                       | 5                             |
| P6KE56CA-G                 | 47.80                              | 53.20                              | 58.80                              | 1                    | 77.0                                 | 7.80                       | 5                             |
| P6KE62C-G                  | 50.20                              | 55.80                              | 68.20                              | 1                    | 89.0                                 | 6.80                       | 5                             |
| P6KE62CA-G                 | 53.00                              | 58.90                              | 65.10                              | 1                    | 85.0                                 | 7.10                       | 5                             |
| P6KE68C-G                  | 55.10                              | 61.20                              | 74.80                              | 1                    | 98.0                                 | 6.10                       | 5                             |
| P6KE68CA-G                 | 58.10                              | 64.60                              | 71.40                              | 1                    | 92.0                                 | 6.50                       | 5                             |
| P6KE75C-G                  | 60.70                              | 67.50                              | 82.50                              | 1                    | 108.0                                | 5.50                       | 5                             |
| P6KE75CA-G                 | 64.10                              | 71.30                              | 78.80                              | 1                    | 103.0                                | 5.80                       | 5                             |
| P6KE82C-G                  | 66.40                              | 73.80                              | 90.20                              | 1                    | 118.0                                | 5.10                       | 5                             |
| P6KE82CA-G                 | 70.10                              | 77.90                              | 86.10                              | 1                    | 113.0                                | 5.30                       | 5                             |
| P6KE91C-G                  | 73.70                              | 81.90                              | 100.00                             | 1                    | 131.0                                | 4.50                       | 5                             |
| P6KE91CA-G                 | 77.80                              | 86.50                              | 95.50                              | 1                    | 125.0                                | 4.80                       | 5                             |
| P6KE100C-G                 | 81.00                              | 90.00                              | 110.00                             | 1                    | 144.0                                | 4.20                       | 5                             |
| P6KE100CA-G                | 85.50                              | 95.00                              | 105.00                             | 1                    | 137.0                                | 4.40                       | 5                             |
| P6KE110C-G                 | 89.20                              | 99.00                              | 121.00                             | 1                    | 158.0                                | 3.80                       | 5                             |
| P6KE110CA-G                | 94.00                              | 105.00                             | 116.00                             | 1                    | 152.0                                | 4.00                       | 5                             |
| P6KE120C-G                 | 97.20                              | 108.00                             | 132.00                             | 1                    | 173.0                                | 3.50                       | 5                             |
| P6KE120CA-G                | 102.00                             | 114.00                             | 126.00                             | 1                    | 165.0                                | 3.60                       | 5                             |
| P6KE130C-G                 | 105.00                             | 117.00                             | 143.00                             | 1                    | 187.0                                | 3.20                       | 5                             |
| P6KE130CA-G                | 111.00                             | 124.00                             | 137.00                             | 1                    | 179.0                                | 3.30                       | 5                             |
| P6KE150C-G                 | 121.00                             | 135.00                             | 165.00                             | 1                    | 215.0                                | 2.80                       | 5                             |
| P6KE150CA-G                | 128.00                             | 143.00                             | 158.00                             | 1                    | 207.0                                | 2.90                       | 5                             |
| P6KE160C-G                 | 130.00                             | 144.00                             | 176.00                             | 1                    | 230.0                                | 2.60                       | 5                             |
| P6KE160CA-G                | 136.00                             | 152.00                             | 168.00                             | 1                    | 219.0                                | 2.70                       | 5                             |
| P6KE170C-G                 | 138.00                             | 153.00                             | 187.00                             | 1                    | 244.0                                | 2.50                       | 5                             |
| P6KE170CA-G                | 145.00                             | 162.00                             | 179.00                             | 1                    | 234.0                                | 2.60                       | 5                             |
| P6KE180C-G                 | 146.00                             | 162.00                             | 198.00                             | 1                    | 258.0                                | 2.30                       | 5                             |
| P6KE180CA-G                | 154.00                             | 171.00                             | 189.00                             | 1                    | 246.0                                | 2.40                       | 5                             |
| P6KE200C-G                 | 162.00                             | 180.00                             | 220.00                             | 1                    | 287.0                                | 2.10                       | 5                             |
| P6KE200CA-G                | 171.00                             | 190.00                             | 210.00                             | 1                    | 274.0                                | 2.20                       | 5                             |
| P6KE220C-G                 | 175.00                             | 198.00                             | 242.00                             | 1                    | 344.0                                | 2.00                       | 5                             |
| P6KE220CA-G                | 185.00                             | 209.00                             | 231.00                             | 1                    | 328.0                                | 2.00                       | 5                             |
| P6KE250C-G                 | 202.00                             | 225.00                             | 275.00                             | 1                    | 360.0                                | 2.00                       | 5                             |
| P6KE250CA-G                | 214.00                             | 237.00                             | 263.00                             | 1                    | 344.0                                | 2.00                       | 5                             |
| P6KE300C-G                 | 243.00                             | 270.00                             | 330.00                             | 1                    | 430.0                                | 2.00                       | 5                             |
| P6KE300CA-G                | 256.00                             | 285.00                             | 315.00                             | 1                    | 414.0                                | 2.00                       | 5                             |
| P6KE350C-G                 | 284.00                             | 315.00                             | 385.00                             | 1                    | 504.0                                | 2.00                       | 5                             |
| P6KE350CA-G                | 300.00                             | 332.00                             | 368.00                             | 1                    | 482.0                                | 2.00                       | 5                             |
| P6KE400C-G                 | 324.00                             | 360.00                             | 440.00                             | 1                    | 574.0                                | 2.00                       | 5                             |
| P6KE400CA-G                | 342.00                             | 380.00                             | 420.00                             | 1                    | 548.0                                | 2.00                       | 5                             |
| P6KE440C-G                 | 356.00                             | 396.00                             | 484.00                             | 1                    | 631.0                                | 2.00                       | 5                             |
| P6KE440CA-G                | 376.00                             | 418.00                             | 462.00                             | 1                    | 600.0                                | 2.00                       | 5                             |

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