

## Silicon Avalanche Diodes

### 15000 Watt Axial Leaded Transient Voltage Suppressor

#### RoHS 15KP Series



#### ELECTRICAL SPECIFICATION @ Tamb 25°C

| Part Numbers |           | Reverse Stand off Voltage V <sub>R</sub> (Volts) | Breakdown Voltage V <sub>BR</sub> (Volts) @ I <sub>T</sub> | Test Current I <sub>T</sub> (mA) | Maximum Peak Pulse Current I <sub>PP</sub> (A) | Maximum Reverse Leakage I <sub>R</sub> @ V <sub>R</sub> (μA) | Maximum Clamping Voltage V <sub>C</sub> @ I <sub>PP</sub> (Volts) |
|--------------|-----------|--------------------------------------------------|------------------------------------------------------------|----------------------------------|------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------|
| Uni-Polar    | Bi-Polar  |                                                  |                                                            |                                  |                                                |                                                              |                                                                   |
| 15KP17A      | 15KP17CA  | 17                                               | 18.9                                                       | 50                               | 512                                            | 5000                                                         | 29.3                                                              |
| 15KP18A      | 15KP18CA  | 18                                               | 20.0                                                       | 50                               | 485                                            | 5000                                                         | 30.9                                                              |
| 15KP20A      | 15KP20CA  | 20                                               | 22.2                                                       | 20                               | 437                                            | 1500                                                         | 34.3                                                              |
| 15KP22A      | 15KP22CA  | 22                                               | 24.4                                                       | 10                               | 404                                            | 500                                                          | 37.1                                                              |
| 15KP24A      | 15KP24CA  | 24                                               | 26.7                                                       | 5                                | 369                                            | 150                                                          | 40.5                                                              |
| 15KP26A      | 15KP26CA  | 26                                               | 28.9                                                       | 5                                | 347                                            | 50                                                           | 44.0                                                              |
| 15KP28A      | 15KP28CA  | 28                                               | 31.1                                                       | 5                                | 316                                            | 25                                                           | 47.5                                                              |
| 15KP30A      | 15KP30CA  | 30                                               | 33.3                                                       | 5                                | 296                                            | 10                                                           | 50.7                                                              |
| 15KP33A      | 15KP33CA  | 33                                               | 36.7                                                       | 5                                | 274                                            | 10                                                           | 54.0                                                              |
| 15KP36A      | 15KP36CA  | 36                                               | 40.0                                                       | 5                                | 251                                            | 10                                                           | 57.7                                                              |
| 15KP40A      | 15KP40CA  | 40                                               | 44.4                                                       | 5                                | 228                                            | 10                                                           | 61.8                                                              |
| 15KP43A      | 15KP43CA  | 43                                               | 47.8                                                       | 5                                | 215                                            | 10                                                           | 66.7                                                              |
| 15KP45A      | 15KP45CA  | 45                                               | 50.0                                                       | 5                                | 200                                            | 10                                                           | 73.0                                                              |
| 15KP48A      | 15KP48CA  | 48                                               | 53.3                                                       | 5                                | 193                                            | 10                                                           | 77.7                                                              |
| 15KP51A      | 15KP51CA  | 51                                               | 56.7                                                       | 5                                | 181                                            | 10                                                           | 82.8                                                              |
| 15KP54A      | 15KP54CA  | 54                                               | 60.0                                                       | 5                                | 171                                            | 10                                                           | 87.5                                                              |
| 15KP58A      | 15KP58CA  | 58                                               | 64.4                                                       | 5                                | 160                                            | 10                                                           | 94.0                                                              |
| 15KP60A      | 15KP60CA  | 60                                               | 66.7                                                       | 5                                | 154                                            | 10                                                           | 97.3                                                              |
| 15KP64A      | 15KP64CA  | 64                                               | 71.1                                                       | 5                                | 145                                            | 10                                                           | 104.0                                                             |
| 15KP70A      | 15KP70CA  | 70                                               | 77.8                                                       | 5                                | 132                                            | 10                                                           | 114.0                                                             |
| 15KP75A      | 15KP75CA  | 75                                               | 83.3                                                       | 5                                | 123                                            | 10                                                           | 122.0                                                             |
| 15KP78A      | 15KP78CA  | 78                                               | 86.7                                                       | 5                                | 119                                            | 10                                                           | 126.0                                                             |
| 15KP85A      | 15KP85CA  | 85                                               | 94.4                                                       | 5                                | 109                                            | 10                                                           | 137.0                                                             |
| 15KP90A      | 15KP90CA  | 90                                               | 100.0                                                      | 5                                | 103                                            | 10                                                           | 146.0                                                             |
| 15KP100A     | 15KP100CA | 100                                              | 110.0                                                      | 5                                | 93                                             | 10                                                           | 162.0                                                             |
| 15KP110A     | 15KP110CA | 110                                              | 122.0                                                      | 5                                | 84                                             | 10                                                           | 178.0                                                             |
| 15KP120A     | 15KP120CA | 120                                              | 133.0                                                      | 5                                | 78                                             | 10                                                           | 193.0                                                             |
| 15KP130A     | 15KP130CA | 130                                              | 144.0                                                      | 5                                | 72                                             | 10                                                           | 209.0                                                             |
| 15KP150A     | 15KP150CA | 150                                              | 167.0                                                      | 5                                | 62                                             | 10                                                           | 243.0                                                             |
| 15KP160A     | 15KP160CA | 160                                              | 178.0                                                      | 5                                | 58                                             | 10                                                           | 259.0                                                             |
| 15KP170A     | 15KP170CA | 170                                              | 189.0                                                      | 5                                | 55                                             | 10                                                           | 275.0                                                             |
| 15KP180A     | 15KP180CA | 180                                              | 200.0                                                      | 5                                | 52                                             | 10                                                           | 291.0                                                             |
| 15KP200A     | 15KP200CA | 200                                              | 222.0                                                      | 5                                | 47                                             | 10                                                           | 322.0                                                             |
| 15KP220A     | 15KP220CA | 220                                              | 245.0                                                      | 5                                | 42                                             | 10                                                           | 356.0                                                             |
| 15KP240A     | 15KP240CA | 240                                              | 267.0                                                      | 5                                | 39                                             | 10                                                           | 388.0                                                             |
| 15KP260A     | 15KP260CA | 260                                              | 289.0                                                      | 5                                | 36                                             | 10                                                           | 419.0                                                             |
| 15KP280A     | 15KP280CA | 280                                              | 311.0                                                      | 5                                | 33                                             | 10                                                           | 452.0                                                             |

For bidirectional type having V<sub>RRM</sub> of 30 volts and less, the I<sub>R</sub> limit is double.

For parts without A, the V<sub>BR</sub> is ± 10%

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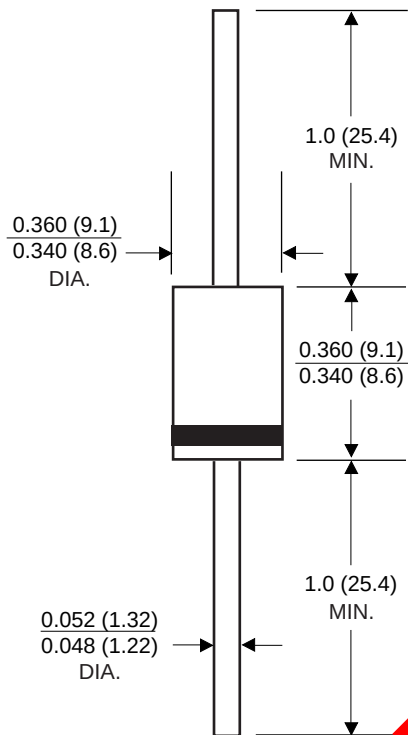
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**RoHS** **15KP Series**

RL

### Package Outline Dimensions

#### Case Style P600



Dimensions in inches and (millimeters)

**OBSELETE**