

查询15KP100供应商

捷多邦, 专业PCB打样工厂, 24小时

加急出货

Microsemi Corp.

The diode experts

SANTA ANA, CA

SCOTTSDALE, AZ

For more information call:
(602) 941-6300

15KP17
thru
15KP280A

FEATURES

These TAZ devices are high power, medium voltage Transient Suppressors designed for protecting precision industrial electronic equipment. They are available from 17 volts through 280 volts. Special voltages are available upon request to the factory.

MAXIMUM RATINGS

15,000 Watts of Peak Pulse Power dissipation at 25°C for 10 x 1000µsec pulse
t_{clamping} (0 volts to V_(BR) min): Less than 1 x 10⁻¹² seconds
Operating and Storage temperature: -55°C to +150°C
Steady State power dissipation: 7.0 watts @ T_A = 25°C
Repetition rate (duty cycle): .05%

TRANSIENT ABSORPTION ZENER

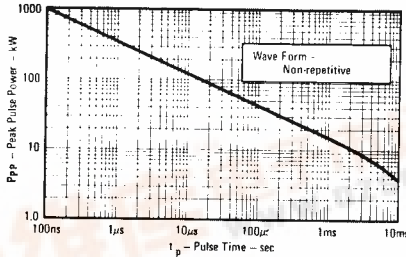
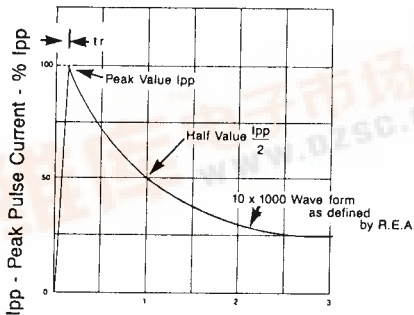


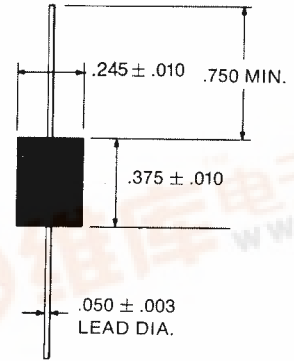
FIGURE 1
PEAK PULSE POWER
VS. PULSE TIME TO
50% OF EXPONENTIALLY
DECAYING PULSE



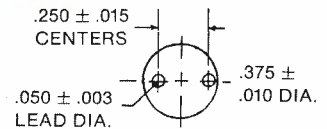
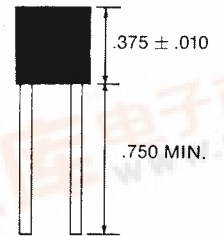
t - Time - ms

Test waveform
parameters
tr = 10 µsec.
tp = 1000 µsec.

FIGURE 2
PULSE WAVEFORM



CASE 5A



CASE 5R

MECHANICAL CHARACTERISTICS

CASE: Void free molded thermosetting plastic.

FINISH: Silver plated copper
Readily solderable.

POLARITY: Positive terminal
marked with a dot.

WEIGHT: 13 grams (Appx.).



15KP17 thru 15KP280A

ELECTRICAL CHARACTERISTICS @ 25°C

| MICROSEMI PART NUMBER | REVERSE STAND-OFF VOLTAGE (Note 1) V _{WM} VOLTS | BREAKDOWN VOLTAGE @ | | MAXIMUM CLAMPING VOLTAGE @ I _{pp} (1 mSEC) V _C VOLTS | MAXIMUM REVERSE LEAKAGE @ V _{WM} I _D μA | MAXIMUM PEAK PULSE CURRENT (FIG. 2) I _{PP} A | MAXIMUM VOLTAGE TEMPERATURE VARIATION OF V _{BR} mV/°C |
|-----------------------------|---|---------------------------|----------------------|--|--|---|---|
| | | V _{BR} VOLTS | I _T mA | | | | |
| 15KP17 | 17 | 18.9-23.1 | 50 | 32.3 | 5000 | 464 | 19 |
| 15KP17A | 17 | 18.9-20.9 | 50 | 29.3 | 5000 | 512 | 17 |
| 15KP18 | 18 | 20.0-24.4 | 50 | 34.2 | 5000 | 439 | 20 |
| 15KP18A | 18 | 20.0-22.1 | 50 | 30.9 | 5000 | 485 | 18 |
| 15KP20 | 20 | 22.2-27.1 | 20 | 37.9 | 1500 | 396 | 24 |
| 15KP20A | 20 | 22.2-24.5 | 20 | 34.3 | 1500 | 437 | 21 |
| 15KP22 | 22 | 24.4-29.8 | 10 | 41.1 | 500 | 365 | 27 |
| 15KP22A | 22 | 24.4-26.9 | 10 | 37.1 | 500 | 404 | 24 |
| 15KP24 | 24 | 26.7-32.6 | 5 | 45.0 | 150 | 333 | 30 |
| 15KP24A | 24 | 26.7-29.5 | 5 | 40.7 | 150 | 369 | 27 |
| 15KP26 | 26 | 28.9-35.3 | 5 | 48.7 | 50 | 308 | 32 |
| 15KP26A | 26 | 28.9-31.9 | 5 | 44.0 | 50 | 341 | 29 |
| 15KP28 | 28 | 31.1-38.0 | 5 | 52.4 | 25 | 286 | 35 |
| 15KP28A | 28 | 31.1-34.4 | 5 | 47.5 | 25 | 316 | 31 |
| 15KP30 | 30 | 33.3-40.7 | 5 | 56.2 | 15 | 267 | 27 |
| 15KP30A | 30 | 33.3-36.8 | 5 | 50.7 | 15 | 296 | 34 |
| 15KP33 | 33 | 36.7-44.9 | 5 | 60.6 | 10 | 248 | 42 |
| 15KP33A | 33 | 36.7-40.6 | 5 | 54.8 | 10 | 274 | 38 |
| 15KP36 | 36 | 40.0-48.9 | 5 | 66.0 | 10 | 227 | 46 |
| 15KP36A | 36 | 40.0-44.2 | 5 | 59.7 | 10 | 251 | 41 |
| 15KP40 | 40 | 44.4-54.3 | 5 | 72.8 | 10 | 206 | 51 |
| 15KP40A | 40 | 44.4-49.1 | 5 | 65.8 | 10 | 228 | 46 |
| 15KP43 | 43 | 47.8-58.4 | 5 | 77.1 | 10 | 195 | 55 |
| 15KP43A | 43 | 47.8-52.8 | 5 | 69.7 | 10 | 215 | 50 |
| 15KP45 | 45 | 50.0-61.1 | 5 | 80.7 | 10 | 186 | 57 |
| 15KP45A | 45 | 50.0-55.3 | 5 | 73.0 | 10 | 205 | 52 |
| 15KP48 | 48 | 53.3-65.1 | 5 | 85.9 | 10 | 175 | 62 |
| 15KP48A | 48 | 53.3-58.9 | 5 | 77.7 | 10 | 193 | 56 |
| 15KP51 | 51 | 56.7-69.3 | 5 | 91.5 | 10 | 164 | 66 |
| 15KP51A | 51 | 56.7-62.7 | 5 | 82.8 | 10 | 181 | 60 |
| 15KP54 | 54 | 60.0-73.3 | 5 | 96.8 | 10 | 155 | 70 |
| 15KP54A | 54 | 60.0-66.3 | 5 | 87.5 | 10 | 171 | 63 |
| 15KP58 | 58 | 64.4-78.7 | 5 | 104.0 | 10 | 144 | 76 |
| 15KP58A | 58 | 64.4-71.2 | 5 | 94.0 | 10 | 160 | 68 |
| 15KP60 | 60 | 66.7-81.5 | 5 | 107.0 | 10 | 140 | 78 |
| 15KP60A | 60 | 66.7-73.7 | 5 | 97.3 | 10 | 154 | 71 |
| 15KP64 | 64 | 71.1-86.9 | 5 | 115 | 10 | 130 | 84 |
| 15KP64A | 64 | 71.1-78.6 | 5 | 104 | 10 | 144 | 76 |
| 15KP70 | 70 | 77.8-95.1 | 5 | 126 | 10 | 119 | 92 |
| 15KP70A | 70 | 77.8-86.0 | 5 | 114 | 10 | 132 | 83 |
| 15KP75 | 75 | 83.3-102.0 | 5 | 135 | 10 | 111 | 100 |
| 15KP75A | 75 | 83.3-92.1 | 5 | 122 | 10 | 123 | 89 |
| 15KP78 | 78 | 86.7-106.0 | 5 | 140 | 10 | 107 | 104 |
| 15KP78A | 78 | 86.7-95.8 | 5 | 126 | 10 | 119 | 93 |
| 15KP85 | 85 | 94.4-115 | 5 | 152 | 10 | 99 | 113 |
| 15KP85A | 85 | 94.4-104 | 5 | 137 | 10 | 109 | 102 |
| 15KP90 | 90 | 100.0-122 | 5 | 160 | 10 | 94 | 120 |
| 15KP90A | 90 | 100.0-111 | 5 | 146 | 10 | 103 | 109 |
| 15KP100 | 100 | 111-136 | 5 | 179 | 10 | 84 | 134 |
| 15KP100A | 100 | 111-123 | 5 | 162 | 10 | 93 | 121 |
| 15KP110 | 110 | 122-149 | 5 | 196 | 10 | 77 | 147 |
| 15KP110A | 110 | 122-135 | 5 | 178 | 10 | 84 | 133 |
| 15KP120 | 120 | 133-163 | 5 | 214 | 10 | 70 | 161 |
| 15KP120A | 120 | 133-147 | 5 | 193 | 10 | 78 | 145 |
| 15KP130 | 130 | 144-176 | 5 | 231 | 10 | 65 | 174 |
| 15KP130A | 130 | 144-159 | 5 | 209 | 10 | 72 | 157 |
| 15KP150 | 150 | 167-204 | 5 | 268 | 10 | 56 | 202 |
| 15KP150A | 150 | 167-185 | 5 | 243 | 10 | 62 | 183 |
| 15KP160 | 160 | 178-218 | 5 | 287 | 10 | 52 | 216 |
| 15KP160A | 160 | 178-197 | 5 | 259 | 10 | 58 | 195 |
| 15KP170 | 170 | 189-231 | 5 | 304 | 10 | 49 | 229 |
| 15KP170A | 170 | 189-209 | 5 | 275 | 10 | 55 | 207 |
| 15KP180 | 180 | 200-244 | 5 | 321 | 10 | 47 | 242 |
| 15KP180A | 180 | 200-221 | 5 | 291 | 10 | 52 | 219 |
| 15KP200 | 200 | 222-271 | 5 | 356 | 10 | 42 | 269 |
| 15KP200A | 200 | 222-245 | 5 | 322 | 10 | 47 | 243 |
| 15KP220 | 220 | 245-299 | 5 | 393 | 10 | 38 | 297 |
| 15KP220A | 220 | 245-271 | 5 | 356 | 10 | 42 | 269 |
| 15KP240 | 240 | 267-326 | 5 | 428 | 10 | 35 | 324 |
| 15KP240A | 240 | 267-295 | 5 | 388 | 10 | 39 | 293 |
| 15KP260 | 260 | 289-353 | 5 | 464 | 10 | 32 | 352 |
| 15KP260A | 260 | 289-319 | 5 | 419 | 10 | 36 | 317 |
| 15KP280 | 280 | 311-380 | 5 | 500 | 10 | 30 | 378 |
| 15KP280A | 280 | 311-344 | 5 | 452 | 10 | 33 | 342 |

V_f = 7.5 V @ 200 A, 8.3 ms (1/2 sine wave).

Note 1: TAZ are normally selected according to the reverse "Stand Off Voltage" V_{WM}