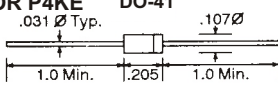
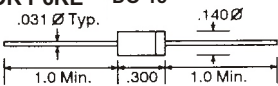
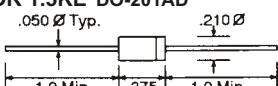


LEADED (THRU-HOLE) TVS DIODE: P4KE, P6KE, 1.5KE

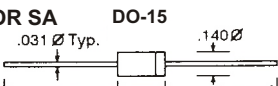
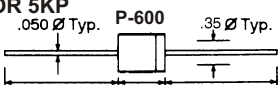
TRANSIENT VOLTAGE SUPPRESSOR (400, 600, 1500W P_{PK})

Operating Temperature: -65°C to 125°C

| Break Down Voltage Code | Maximum Reverse Current I _{RSM} (A) | | | Break Down Voltage V _{BR} (Volts) | | @ IT (mA) | Working Peak Reverse Voltage V _{RWM} (V) | Maximum Reverse Leakage at V _{NWM} I _R (mA) | Maximum Clamping Voltage V _{RSM} (V) | Maximum Temperature Coefficient of V _{BR} (%C) | Outline (Max in inches) |
|-------------------------|--|--------------------------------------|--|--|-----|-----------|---|---|---|---|---|
| | Series: P4KE (400W P _{PK}) | Series: P6KE (600W P _{PK}) | Series: 1.5KE (1500W P _{PK}) | Min | Max | | | | | | |
| | | | | | | | | | | | |
| 120 | 2.4 | 3.5 | 8.7 | 108 | 132 | 1 | 97.2 | 5 | 173 | 0.107 | <p>FOR P4KE DO-41</p>  <p>PART NUMBER EXAMPLE P4KE75A</p> <p>FOR P6KE DO-15</p>  <p>PART NUMBER EXAMPLE P6KE75A</p> <p>FOR 1.5KE DO-201AD</p>  <p>PART NUMBER EXAMPLE 1.5KE75A</p> |
| 120A | 2.5 | 3.6 | 9.1 | 114 | 126 | 1 | 102 | 5 | 165 | 0.107 | |
| 130 | 2.2 | 3.2 | 8 | 117 | 143 | 1 | 105 | 5 | 187 | 0.107 | |
| 130A | 2.3 | 3.3 | 8.4 | 124 | 137 | 1 | 111 | 5 | 179 | 0.107 | |
| 150 | 2 | 2.8 | 7 | 135 | 165 | 1 | 121 | 5 | 215 | 0.108 | |
| 150A | 2 | 2.9 | 7.2 | 143 | 158 | 1 | 128 | 5 | 207 | 0.108 | |
| 160 | 1.8 | 2.6 | 6.5 | 144 | 176 | 1 | 130 | 5 | 230 | 0.108 | |
| 160A | 1.9 | 2.7 | 6.8 | 152 | 168 | 1 | 136 | 5 | 219 | 0.108 | |
| 170 | 1.7 | 2.5 | 6.2 | 153 | 187 | 1 | 138 | 5 | 244 | 0.108 | |
| 170A | 1.8 | 2.6 | 6.4 | 162 | 179 | 1 | 145 | 5 | 234 | 0.108 | |
| 180 | 1.6 | 2.3 | 5.8 | 162 | 198 | 1 | 146 | 5 | 258 | 0.108 | |
| 180A | 1.7 | 2.4 | 6.1 | 171 | 189 | 1 | 154 | 5 | 246 | 0.108 | |
| 200 | 1.5 | 2.1 | 5.2 | 180 | 220 | 1 | 162 | 5 | 287 | 0.108 | |
| 200A | 1.53 | 2.2 | 5.5 | 190 | 210 | 1 | 171 | 5 | 274 | 0.108 | |
| 220 | 1.16 | 1.75 | 4.3 | 198 | 242 | 1 | 175 | 5 | 344 | 0.108 | |
| 220A | 1.22 | 1.83 | 4.6 | 209 | 231 | 1 | 185 | 5 | 328 | 0.108 | |
| 250 | 1.11 | 1.67 | 5 | 225 | 275 | 1 | 202 | 5 | 360 | 0.11 | |
| 250A | 1.16 | 1.75 | 5 | 237 | 267 | 1 | 214 | 5 | 344 | 0.11 | |
| 300 | 0.93 | 1.4 | 5 | 270 | 330 | 1 | 243 | 5 | 430 | 0.11 | |
| 300A | 0.97 | 1.45 | 5 | 285 | 315 | 1 | 256 | 5 | 414 | 0.11 | |
| 350 | 0.79 | 1.2 | 4 | 315 | 385 | 1 | 284 | 5 | 504 | 0.11 | |
| 350A | 0.83 | 1.25 | 4 | 332 | 368 | 1 | 300 | 5 | 482 | 0.11 | |
| 400 | 0.7 | 1.05 | 4 | 360 | 440 | 1 | 324 | 5 | 574 | 0.11 | |
| 400A | 0.73 | 1.1 | 4 | 380 | 420 | 1 | 342 | 5 | 548 | 0.11 | |

Transient Voltage Suppressor (500W & 5000W)

Operating Temperature: -55 C to +175 C

| Break Down Voltage Code | Reverse Stand-Off Voltage VRWM (V) | Series: SA (500W P _{PK}) | | | | | Series: 5KP (5000W P _{PK}) | | | | | Maximum Clamping Voltage @ I _{pp} Vc (V) | Outline (Max in inches) |
|-------------------------|------------------------------------|------------------------------------|------|----------------------|--|------------------------|--------------------------------------|------|----------------------|--|--------------------------------|---|---|
| | | Breakdown Voltage VBR (V) @ IT | | Test Current IT (mA) | Peak Pulse Current I _{pp} (A) | Reverse Leakage @ VRWM | Breakdown Voltage VBR (V) @ IT | | Test Current IT (mA) | Peak Pulse Current I _{pp} (A) | Reverse Leakage @ VRWM IR (pA) | | |
| | | MIN. | MAX. | | | | MIN. | MAX. | | | | | |
| 5 | 5 | 6.4 | 7.3 | 10 | 53.1 | 600 | 6.4 | 7.3 | 50 | 522.0 | 5000 | 9.6 | <p>FOR SA DO-15</p>  <p>PART NUMBER EXAMPLE SA75A</p> <p>FOR 5KP P-600</p>  <p>PART NUMBER EXAMPLE 5KP75A</p> |
| 5.0A | 5 | 6.4 | 7.0 | 10 | 55.4 | 600 | 6.4 | 7.0 | 50 | 544.0 | 5000 | 9.2 | |
| 6 | 6 | 6.67 | 8.2 | 10 | 44.7 | 600 | 6.67 | 8.2 | 50 | 439.0 | 5000 | 11.4 | |
| 6.0A | 6 | 6.67 | 7.4 | 10 | 49.5 | 600 | 6.67 | 7.4 | 50 | 486.0 | 5000 | 10.3 | |
| 6.5 | 6.5 | 7.22 | 8.8 | 10 | 41.5 | 400 | 7.22 | 8.8 | 50 | 407.0 | 2000 | 12.3 | |
| 6.5A | 6.5 | 7.22 | 8.0 | 10 | 45.5 | 400 | 7.22 | 8.0 | 50 | 447.0 | 2000 | 11.2 | |
| 7 | 7 | 7.78 | 9.5 | 10 | 38.3 | 150 | 7.78 | 9.5 | 50 | 377.0 | 1000 | 13.3 | |
| 7.0A | 7 | 7.78 | 8.6 | 10 | 42.5 | 150 | 7.78 | 8.6 | 50 | 417.0 | 1000 | 12.0 | |
| 7.5 | 7.5 | 8.33 | 10.2 | 1 | 35.7 | 50 | 8.33 | 10.2 | 5 | 350.0 | 250 | 14.3 | |
| 7.5A | 7.5 | 8.33 | 9.2 | 1 | 39.5 | 50 | 8.33 | 9.2 | 5 | 388.0 | 250 | 12.9 | |
| 8 | 8 | 8.89 | 10.9 | 1 | 34.0 | 25 | 8.89 | 10.9 | 5 | 334.0 | 150 | 15.0 | |
| 8.0A | 8 | 8.89 | 9.8 | 1 | 37.5 | 25 | 8.89 | 9.8 | 5 | 368.0 | 150 | 13.6 | |
| 8.5 | 8.5 | 9.44 | 11.5 | 1 | 32.1 | 10 | 9.44 | 11.5 | 5 | 315.0 | 50 | 15.9 | |
| 8.5A | 8.5 | 9.44 | 10.4 | 1 | 35.4 | 10 | 9.44 | 10.4 | 5 | 348.0 | 50 | 14.4 | |
| 9 | 9 | 10 | 12.2 | 1 | 30.2 | 5 | 10 | 12.2 | 5 | 296.0 | 20 | 16.9 | |
| 9.0A | 9 | 10 | 11.1 | 1 | 33.1 | 5 | 10 | 11.1 | 5 | 325.0 | 20 | 15.4 | |
| 10 | 10 | 11.1 | 13.6 | 1 | 27.1 | 3 | 11.1 | 13.6 | 5 | 266.0 | 15 | 18.8 | |
| 10A | 10 | 11.1 | 12.3 | 1 | 30.0 | 3 | 11.1 | 12.3 | 5 | 295.0 | 15 | 17.0 | |
| 11 | 11 | 12.2 | 14.9 | 1 | 25.4 | 3 | 12.2 | 14.9 | 5 | 249.0 | 10 | 20.1 | |
| 11A | 11 | 12.2 | 13.5 | 1 | 28.0 | 3 | 12.2 | 13.5 | 5 | 275.0 | 10 | 18.2 | |
| 12 | 12 | 13.3 | 16.3 | 1 | 23.2 | 3 | 13.3 | 16.3 | 5 | 228.0 | 10 | 22.0 | |
| 12A | 12 | 13.3 | 14.7 | 1 | 25.6 | 3 | 13.3 | 14.7 | 5 | 252.0 | 10 | 19.9 | |
| 13 | 13 | 14.4 | 15.9 | 1 | 23.7 | 3 | 14.4 | 17.6 | 5 | 210.0 | 10 | 23.8 | |
| 13A | 13 | 14.4 | 17.6 | 1 | 21.4 | 3 | 14.4 | 15.9 | 5 | 233.0 | 10 | 21.5 | |
| 14 | 14 | 15.6 | 19.1 | 1 | 19.8 | 3 | 15.6 | 19.1 | 5 | 194.0 | 10 | 25.8 | |
| 14A | 14 | 15.6 | 17.2 | 1 | 22.0 | 3 | 15.6 | 17.2 | 5 | 216.0 | 10 | 23.2 | |
| 15 | 15 | 16.7 | 20.4 | 1 | 19.0 | 3 | 16.7 | 20.4 | 5 | 186.0 | 10 | 26.9 | |
| 15A | 15 | 16.7 | 18.5 | 1 | 20.9 | 3 | 16.7 | 18.5 | 5 | 205.0 | 10 | 24.4 | |
| 16 | 16 | 17.8 | 21.8 | 1 | 17.7 | 3 | 17.8 | 21.8 | 5 | 174.0 | 10 | 28.8 | |
| 16A | 16 | 17.8 | 19.7 | 1 | 19.6 | 3 | 17.8 | 19.7 | 5 | 193.0 | 10 | 26.0 | |
| 17 | 17 | 18.9 | 23.1 | 1 | 16.7 | 3 | 18.9 | 23.1 | 5 | 164.0 | 10 | 30.5 | |
| 17A | 17 | 18.9 | 20.9 | 1 | 18.5 | 3 | 18.9 | 20.9 | 5 | 181.0 | 10 | 27.6 | |
| 18 | 18 | 20 | 24.4 | 1 | 15.8 | 3 | 20 | 24.4 | 5 | 155.0 | 10 | 32.2 | |
| 18A | 18 | 20 | 22.1 | 1 | 17.5 | 3 | 20 | 22.1 | 5 | 172.0 | 10 | 29.2 | |
| 20 | 20 | 22.2 | 27.1 | 1 | 14.2 | 3 | 22.2 | 27.1 | 5 | 140.0 | 10 | 35.8 | |
| 20A | 20 | 22.2 | 24.5 | 1 | 15.7 | 3 | 22.2 | 24.5 | 5 | 154.0 | 10 | 32.4 | |