

1500 Watt Transient Voltage Suppressor Uni-directional Chip
(5.6 to 54.0Volts)

| SERIES TYPE | BREAKDOWN VOLTAGE $V_{(BR)}$ AT $I_{(BR)}$ | TEST CURRENT $I_{(BR)}$ | WORKING PEAK REVERSE VOLTAGE V_{RWM} | MAXIMUM REVERSE CURRENT I_{r1} | MAXIMUM CLAMPING VOLTAGE V_c (MAX) @ I_{rp} $T_p = 1ms$ | MAXIMUM PEAK PULSE CURRENT I_{rp} $T_p = 1ms$ | MAXIMUM PEAK PULSE CURRENT I_{rp} $T_p = 20 \mu s$ | MAXIMUM TEMP. COEFF. OF $V_{(BR)}$ $\alpha V_{(BR)}$ | CHIP SIZE |
|-------------|--|-------------------------|--|----------------------------------|---|---|--|--|-----------|
| 1500W | Min. V dc | mA dc | V dc | μA dc | V (pk) | A (pk) | A (pk) | % /°C | MIL |
| 1C6469 | 5.6 | 50 | 5 | 5000 | 9.0 | 167 | 945 | 0.040 | 125 |
| 1C6470 | 6.5 | 50 | 6 | 5000 | 11.0 | 137 | 775 | 0.040 | 125 |
| 1C6471 | 13.6 | 10 | 12 | 1000 | 22.6 | 66 | 374 | 0.050 | 125 |
| 1C6472 | 16.4 | 10 | 15 | 1000 | 26.5 | 57 | 322 | 0.060 | 125 |
| 1C6473 | 27.0 | 5 | 24 | 100 | 41.4 | 36.5 | 206 | 0.084 | 125 |
| 1C6474 | 33.0 | 1 | 30.5 | 5 | 47.5 | 32 | 190 | 0.093 | 125 |
| 1C6475 | 43.7 | 1 | 40.3 | 5 | 63.5 | 24 | 136 | 0.094 | 125 |
| 1C6476 | 54.0 | 1 | 51.6 | 5 | 78.5 | 19 | 106 | 0.096 | 125 |

1500 Watt Transient Voltage Suppressor Uni-directional Chip (6.12 to 210.0Volts)

| SERIES TYPE | BREAKDOWN VOLTAGE $V_{(BR)}$ AT $I_{(BR)}$ | TEST CURRENT $I_{(BR)}$ | WORKING PEAK REVERSE VOLTAGE V_{RWM} | MAXIMUM REVERSE CURRENT I_{RI} | MAXIMUM CLAMPING VOLTAGE V_C (MAX) @ I_{PP} $T_P = 1ms$ | MAXIMUM PEAK PULSE CURRENT I_{PP} $T_P = 1ms$ | MAXIMUM TEMP. COEFF. OF $V_{(BR)}$ $\alpha V_{(BR)}$ | CHIP SIZE |
|-------------|--|-------------------------|--|----------------------------------|---|---|--|-----------|
| | Min. V dc | mA dc | V dc | μA dc | V (pk) | A (pk) | % /°C | MIL |
| 1500W | | | | | | | | |
| IC6267 | 6.12-7.48 | 10 | 5.50 | 1000 | 10.8 | 139 | .057 | 125 |
| IC6267A | 6.45-7.14 | 10 | 5.80 | 1000 | 10.5 | 143 | .057 | 125 |
| IC6268 | 6.75-8.25 | 10 | 6.05 | 500 | 11.7 | 128 | .061 | 125 |
| IC6268A | 7.13-7.88 | 10 | 6.40 | 500 | 11.3 | 132 | .061 | 125 |
| IC6269 | 7.38-9.02 | 10 | 6.63 | 200 | 12.5 | 120 | .065 | 125 |
| IC6269A | 7.79-8.61 | 10 | 7.02 | 200 | 12.1 | 124 | .065 | 125 |
| IC6270 | 8.19-10.0 | 1 | 7.37 | 50 | 13.8 | 109 | .068 | 125 |
| IC6270A | 8.65-9.55 | 1 | 7.78 | 50 | 13.4 | 112 | .068 | 125 |
| IC6271 | 9.00-11.0 | 1 | 8.10 | 50 | 15.0 | 100 | .073 | 125 |
| IC6271A | 9.5-10.5 | 1 | 8.55 | 10 | 14.5 | 103 | .073 | 125 |
| IC6272 | 9.9-12.1 | 1 | 8.92 | 5 | 16.2 | 93 | .075 | 125 |
| IC6272A | 10.5-11.6 | 1 | 9.40 | 5 | 15.6 | 96 | .075 | 125 |
| IC6273 | 10.8-13.2 | 1 | 9.72 | 5 | 17.3 | 87 | .078 | 125 |
| IC6273A | 11.4-12.6 | 1 | 10.2 | 5 | 16.7 | 90 | .078 | 125 |
| IC6274 | 11.7-14.3 | 1 | 10.5 | 5 | 19.0 | 79 | .081 | 125 |
| IC6274A | 12.4-13.7 | 1 | 11.1 | 5 | 18.2 | 82 | .081 | 125 |
| IC6275 | 13.5-16.5 | 1 | 12.1 | 5 | 22.0 | 68 | .084 | 125 |
| IC6275A | 14.3-15.8 | 1 | 12.8 | 5 | 21.2 | 71 | .084 | 125 |
| IC6276 | 14.4-17.6 | 1 | 12.9 | 5 | 23.5 | 64 | .086 | 125 |
| IC6276A | 15.2-16.8 | 1 | 13.6 | 5 | 22.5 | 67 | .086 | 125 |
| IC6277 | 16.2-19.8 | 1 | 14.5 | 5 | 26.5 | 56.5 | .088 | 125 |
| IC6277A | 17.1-18.9 | 1 | 15.3 | 5 | 25.2 | 59.5 | .088 | 125 |
| IC6278 | 18.0-22.0 | 1 | 16.2 | 5 | 29.1 | 51.5 | .090 | 125 |
| IC6278A | 19.0-21.0 | 1 | 17.1 | 5 | 27.7 | 54 | .090 | 125 |
| IC6279 | 19.8-24.2 | 1 | 17.8 | 5 | 31.9 | 47 | .092 | 125 |
| IC6279A | 20.9-23.1 | 1 | 18.8 | 5 | 30.6 | 49 | .092 | 125 |
| IC6280 | 21.6-26.4 | 1 | 19.4 | 5 | 34.7 | 43 | .094 | 125 |
| IC6280A | 22.8-25.2 | 1 | 20.5 | 5 | 33.2 | 45 | .094 | 125 |
| IC6281 | 24.3-29.7 | 1 | 21.8 | 5 | 39.1 | 38.5 | .096 | 125 |
| IC6281A | 25.7-28.4 | 1 | 23.1 | 5 | 37.5 | 40 | .096 | 125 |

1500 Watt Transient Voltage Suppressor Uni-directional Chip
(6.12 to 210.0Volts)

| SERIES TYPE | BREAKDOWN VOLTAGE $V_{(BR)}$ AT $I_{(BR)}$ | TEST CURRENT $I_{(BR)}$ | WORKING PEAK REVERSE VOLTAGE V_{RWM} | MAXIMUM REVERSE CURRENT I_{R1} | MAXIMUM CLAMPING VOLTAGE V_C (MAX) @ I_{PP} $T_P = 1ms$ | MAXIMUM PEAK PULSE CURRENT I_{PP} $T_P = 1ms$ | MAXIMUM TEMP. COEFF. OF $V_{(BR)}$ $\alpha V_{(BR)}$ | CHIP SIZE |
|-------------|--|-------------------------|--|----------------------------------|---|---|--|-----------|
| 1500W | Min. V dc | Ma dc | V dc | μA dc | V (pk) | A (pk) | % °C | MIL |
| IC6282 | 27.0-33.0 | 1 | 24.3 | 5 | 43.5 | 34.5 | .097 | 125 |
| IC6282A | 28.5-31.5 | 1 | 25.6 | 5 | 41.4 | 36 | .097 | 125 |
| IC6283 | 29.7-36.3 | 1 | 26.8 | 5 | 47.7 | 31.5 | .098 | 125 |
| IC6283A | 31.4-34.7 | 1 | 28.2 | 5 | 45.7 | 33 | .098 | 125 |
| IC6284 | 32.4-39.6 | 1 | 29.1 | 5 | 52.0 | 29 | .099 | 125 |
| IC6284A | 34.2-37.8 | 1 | 30.8 | 5 | 49.9 | 30 | .099 | 125 |
| IC6285 | 35.1-42.9 | 1 | 31.6 | 5 | 56.4 | 26.5 | .100 | 125 |
| IC6285A | 37.1-41.0 | 1 | 33.3 | 5 | 53.9 | 28 | .100 | 125 |
| IC6286 | 38.7-47.3 | 1 | 34.8 | 5 | 61.9 | 24 | .101 | 125 |
| IC6286A | 40.9-45.2 | 1 | 36.8 | 5 | 59.3 | 25.3 | .101 | 125 |
| IC6287 | 42.3-51.7 | 1 | 38.1 | 5 | 67.8 | 22.2 | .101 | 125 |
| IC6287A | 44.7-49.4 | 1 | 40.2 | 5 | 64.8 | 23.2 | .101 | 125 |
| IC6288 | 45.9-56.1 | 1 | 41.3 | 5 | 73.5 | 20.4 | .102 | 125 |
| IC6288A | 48.5-53.6 | 1 | 43.6 | 5 | 70.1 | 21.4 | .102 | 125 |
| IC6289 | 50.4-61.6 | 1 | 45.4 | 5 | 80.5 | 18.6 | .103 | 125 |
| IC6289A | 53.2-58.8 | 1 | 47.8 | 5 | 77.0 | 19.5 | .103 | 125 |
| IC6290 | 55.8-68.2 | 1 | 50.2 | 5 | 89.0 | 16.9 | .104 | 125 |
| IC6290A | 58.9-65.1 | 1 | 53.0 | 5 | 85.0 | 17.7 | .104 | 125 |
| IC6291 | 61.2-74.8 | 1 | 55.1 | 5 | 98.0 | 15.3 | .104 | 125 |
| IC6291A | 64.6-71.4 | 1 | 58.1 | 5 | 92.0 | 16.3 | .104 | 125 |
| IC6292 | 67.5-82.5 | 1 | 60.7 | 5 | 108.0 | 13.9 | .105 | 125 |
| IC6292A | 71.3-78.8 | 1 | 64.1 | 5 | 103.0 | 14.6 | .105 | 125 |
| IC6293 | 73.8-90.2 | 1 | 66.4 | 5 | 118.0 | 12.7 | .105 | 125 |
| IC6293A | 77.9-86.1 | 1 | 70.1 | 5 | 113.0 | 13.3 | .105 | 125 |
| IC6294 | 81.9-100.0 | 1 | 73.7 | 5 | 131.0 | 11.4 | .106 | 125 |
| IC6294A | 86.5-95.5 | 1 | 77.8 | 5 | 125.0 | 12.0 | .106 | 125 |
| IC6295 | 90.0-110.0 | 1 | 81.0 | 5 | 144.0 | 10.4 | .106 | 125 |
| IC6295A | 95.0-105.0 | 1 | 85.5 | 5 | 137.0 | 11.0 | .106 | 125 |
| IC6296 | 99.0-121.0 | 1 | 89.2 | 5 | 158.0 | 9.5 | .107 | 125 |
| IC6296A | 105.0-116.0 | 1 | 94.0 | 5 | 152.0 | 9.9 | .107 | 125 |

1500 Watt Transient Voltage Suppressor Uni-directional Chip
(6.12 to 210.0Volts)

| SERIES TYPE | BREAKDOWN VOLTAGE $V_{BR}(AT I_{BR})$ | TEST CURRENT I_{TR} | WORKING PEAK REVERSE VOLTAGE V_{RWM} | MAXIMUM REVERSE CURRENT I_{R} | MAXIMUM CLAMPING VOLTAGE $V_C(MAX)$ @ I_{CP} $T_P = 1ms$ | MAXIMUM PEAK PULSE CURRENT I_{PP} $T_P = 1ms$ | MAXIMUM TEMP. COEFF. OF V_{BR} αV_{BR} | CHIP SIZE |
|-------------|---------------------------------------|-----------------------|--|---------------------------------|--|---|--|-----------|
| 1500W | Min. V _{dc} | mA dc | V dc | μ A dc | V (pk) | A (pk) | %/°C | MIL |
| IC6287 | 106.0-132.0 | 1 | 97.2 | 5 | 173.0 | 8.7 | .107 | 125 |
| IC6297A | 114.0-126.0 | 1 | 102.0 | 5 | 165.0 | 9.1 | .107 | 125 |
| IC6298 | 117.0-145.0 | 1 | 105.0 | 5 | 187.0 | 8.0 | .107 | 125 |
| IC6298A | 124.0-137.0 | 1 | 111.0 | 5 | 179.0 | 8.4 | .107 | 125 |
| IC6299 | 133.0-165.0 | 1 | 121.0 | 5 | 213.0 | 7.8 | .108 | 125 |
| IC6299A | 143.0-158.0 | 1 | 128.0 | 5 | 207.0 | 7.2 | .108 | 125 |
| IC6300 | 148.0-176.0 | 1 | 130.0 | 5 | 230.0 | 6.5 | .108 | 125 |
| IC6300A | 152.0-169.0 | 1 | 136.0 | 5 | 219.0 | 6.9 | .108 | 125 |
| IC6301 | 153.0-187.0 | 1 | 138.0 | 5 | 244.0 | 6.2 | .108 | 125 |
| IC6301A | 162.0-179.0 | 1 | 145.0 | 5 | 234.0 | 6.4 | .108 | 125 |
| IC6302 | 162.0-198.0 | 1 | 146.0 | 5 | 258.0 | 5.8 | .108 | 125 |
| IC6302A | 171.0-189.0 | 1 | 154.0 | 5 | 246.0 | 6.1 | .108 | 125 |
| IC6303 | 180.0-220.0 | 1 | 162.0 | 5 | 287.0 | 5.2 | .108 | 125 |
| IC6303A | 190.0-210.0 | 1 | 171.0 | 5 | 274.0 | 5.3 | .108 | 125 |