



Resistors Tubes

Tubular Resistors are available in a wide assortment of diameters and lengths to meet your application needs. Standard applications include high power loads, snubber circuit RF power amplifiers, impulse voltage generators, high voltage circuits and power supplies, X-ray equipment, and dummy loads. The ceramic composition tubes perform well where high peak power or high energy pulses are required to be handled. These non-inductive resistors are able to dissipate the energy uniformly through the entire resistor body. An Anti-track coating is available for on the OD and ID of the resistor tubes between the contact surfaces.



GENERAL SPECIFICATIONS

| Model | Dimensions [Inches] | | | Resistance Value [Ω] | | Peak Power [W] | Peak Energy [Joules] | Peak Voltage [Maximum] |
|----------|---------------------|------|--------|-------------------------------|---------|----------------|----------------------|------------------------|
| | Diameter | I.D | Length | Low | High | | | |
| 83-TD01A | 0.75 | 0.25 | 1 | 2.5 | 10,000 | 4.5 | 1,800 | 5,000 |
| 83-TD02A | 0.75 | 0.25 | 2 | 4.2 | 20,300 | 9.4 | 3,770 | 10,000 |
| 83-TD03A | 0.75 | 0.25 | 3 | 6.2 | 30,500 | 14.0 | 5,600 | 15,000 |
| 83-TD04A | 0.75 | 0.25 | 4 | 8.2 | 40,700 | 18.8 | 7,540 | 20,000 |
| 83-TD05A | 0.75 | 0.25 | 5 | 10.5 | 50,900 | 22.0 | 9,400 | 30,000 |
| 83-TD06A | 0.75 | 0.25 | 6 | 12.4 | 61,100 | 28.3 | 11,310 | 40,000 |
| 83-TD07A | 0.75 | 0.25 | 7 | 14.5 | 71,000 | 32.5 | 13,100 | 50,000 |
| 83-TD08A | 0.75 | 0.25 | 8 | 16.5 | 81,400 | 37.7 | 15,080 | 60,000 |
| 83-TD09A | 0.75 | 0.25 | 9 | 18.5 | 91,600 | 42.0 | 16,900 | 70,000 |
| 83-TD10A | 0.75 | 0.25 | 10 | 20.5 | 101,800 | 47.1 | 18,850 | 80,000 |
| 83-TD11A | 0.75 | 0.25 | 11 | 23.0 | 111,000 | 51.5 | 20,700 | 90,000 |
| 83-TD12A | 0.75 | 0.25 | 12 | 24.6 | 122,200 | 56.5 | 22,620 | 100,000 |
| 83-TE01C | 1.00 | 0.50 | 1 | 2.0 | 6,000 | 7.0 | 2,800 | 5,000 |
| 83-TE02C | 1.00 | 0.50 | 2 | 3.0 | 13,500 | 14.0 | 5,600 | 10,000 |
| 83-TE03C | 1.00 | 0.50 | 3 | 4.0 | 19,800 | 21.0 | 8,400 | 15,000 |
| 83-TE04C | 1.00 | 0.50 | 4 | 6.0 | 27,000 | 28.0 | 11,300 | 20,000 |
| 83-TE05C | 1.00 | 0.50 | 5 | 7.0 | 33,000 | 35.0 | 14,100 | 30,000 |
| 83-TE06C | 1.00 | 0.50 | 6 | 9.0 | 40,000 | 42.0 | 16,900 | 40,000 |
| 83-TE07C | 1.00 | 0.50 | 7 | 9.5 | 46,000 | 49.0 | 19,700 | 50,000 |
| 83-TE08C | 1.00 | 0.50 | 8 | 11.0 | 54,000 | 56.0 | 22,600 | 60,000 |
| 83-TE09C | 1.00 | 0.50 | 9 | 12.0 | 59,000 | 63.0 | 25,400 | 70,000 |
| 83-TE10C | 1.00 | 0.50 | 10 | 14.0 | 67,000 | 70.0 | 28,200 | 80,000 |
| 83-TE11C | 1.00 | 0.50 | 11 | 15.0 | 72,000 | 77.0 | 31,000 | 90,000 |
| 83-TE12C | 1.00 | 0.50 | 12 | 17.0 | 81,000 | 84.0 | 33,900 | 100,000 |
| 83-TE13C | 1.00 | 0.50 | 13 | 18.0 | 86,000 | 91.0 | 36,700 | 110,000 |
| 83-TE14C | 1.00 | 0.50 | 14 | 20.0 | 95,000 | 99.0 | 39,500 | 120,000 |
| 83-TE15C | 1.00 | 0.50 | 15 | 20.0 | 99,000 | 106.0 | 42,300 | 130,000 |
| 83-TE16C | 1.00 | 0.50 | 16 | 22.0 | 108,000 | 113.0 | 45,200 | 140,000 |
| 83-TE17C | 1.00 | 0.50 | 17 | 23.0 | 112,000 | 119.0 | 48,000 | 150,000 |
| 83-TE18C | 1.00 | 0.50 | 18 | 25.0 | 122,000 | 127.0 | 50,800 | 160,000 |
| 83-TF01D | 1.50 | 0.75 | 1 | 1.0 | 2,500 | 18.0 | 7,000 | 5,000 |
| 83-TF02D | 1.50 | 0.75 | 2 | 2.0 | 5,000 | 36.0 | 14,000 | 10,000 |
| 83-TF03D | 1.50 | 0.75 | 3 | 2.5 | 7,500 | 54.0 | 21,000 | 15,000 |
| 83-TF04D | 1.50 | 0.75 | 4 | 3.0 | 10,000 | 75.0 | 28,000 | 20,000 |
| 83-TF05D | 1.50 | 0.75 | 5 | 3.5 | 12,500 | 90.0 | 35,000 | 30,000 |
| 83-TF06D | 1.50 | 0.75 | 6 | 4.0 | 15,000 | 110.0 | 42,000 | 40,000 |
| 83-TF07D | 1.50 | 0.75 | 7 | 4.5 | 17,500 | 130.0 | 49,000 | 50,000 |
| 83-TF08D | 1.50 | 0.75 | 8 | 5.0 | 20,000 | 150.0 | 56,000 | 60,000 |
| 83-TF09D | 1.50 | 0.75 | 9 | 5.5 | 22,500 | 165.0 | 63,000 | 70,000 |



BULK CERAMIC RESISTORS

| Model | Dimensions [Inch] | | | Resistance Value [Ω] | | Peak Power [W] | Peak Energy [Joules] | Peak Voltage [Maximum] |
|----------|-------------------|------|--------|-------------------------------|---------|----------------|----------------------|------------------------|
| | Diameter | I.D | Length | Low | High | | | |
| 83-TF10D | 1.50 | 0.75 | 10.0 | 6.0 | 25,000 | 180.0 | 70,000 | 80,000 |
| 83-TF11D | 1.50 | 0.75 | 11.0 | 6.5 | 27,500 | 200.0 | 77,000 | 90,000 |
| 83-TF12D | 1.50 | 0.75 | 12.0 | 7.0 | 30,000 | 220.0 | 85,000 | 100,000 |
| 83-TF13D | 1.50 | 0.75 | 13.0 | 7.5 | 32,500 | 240.0 | 92,000 | 110,000 |
| 83-TF14D | 1.50 | 0.75 | 14.0 | 8.0 | 35,000 | 260.0 | 100,000 | 120,000 |
| 83-TF15D | 1.50 | 0.75 | 15.0 | 8.5 | 37,500 | 280.0 | 107,000 | 130,000 |
| 83-TF16D | 1.50 | 0.75 | 16.0 | 9.0 | 40,000 | 300.0 | 114,000 | 140,000 |
| 83-TF17D | 1.50 | 0.75 | 17.0 | 9.5 | 42,500 | 315.0 | 121,000 | 150,000 |
| 83-TF18D | 1.50 | 0.75 | 18.0 | 10.0 | 45,000 | 330.0 | 128,000 | 160,000 |
| 83-TG01D | 1.625 | 0.75 | 1.0 | 0.5 | 2,100 | 19.0 | 7,800 | 5,000 |
| 83-TG02D | 1.625 | 0.75 | 2.0 | 1.0 | 4,200 | 39.0 | 15,600 | 10,000 |
| 83-TG03D | 1.625 | 0.75 | 3.0 | 1.5 | 6,300 | 58.0 | 23,000 | 15,000 |
| 83-TG04D | 1.625 | 0.75 | 4.0 | 2.0 | 8,500 | 79.8 | 31,000 | 20,000 |
| 83-TG05D | 1.625 | 0.75 | 5.0 | 2.5 | 10,600 | 97.0 | 39,000 | 30,000 |
| 83-TG06D | 1.625 | 0.75 | 6.0 | 3.0 | 12,000 | 117.0 | 47,000 | 40,000 |
| 83-TG07D | 1.625 | 0.75 | 7.0 | 3.5 | 14,500 | 137.0 | 54,500 | 50,000 |
| 83-TG08D | 1.625 | 0.75 | 8.0 | 4.0 | 17,000 | 156.0 | 62,500 | 60,000 |
| 83-TG09D | 1.625 | 0.75 | 9.0 | 4.5 | 19,000 | 176.0 | 70,000 | 70,000 |
| 83-TG10D | 1.625 | 0.75 | 10.0 | 5.0 | 21,000 | 195.0 | 78,000 | 80,000 |
| 83-TG11D | 1.625 | 0.75 | 11.0 | 5.5 | 23,000 | 215.0 | 86,000 | 90,000 |
| 83-TG12D | 1.625 | 0.75 | 12.0 | 6.0 | 25,000 | 235.0 | 94,000 | 100,000 |
| 83-TG13D | 1.625 | 0.75 | 13.0 | 6.5 | 27,000 | 254.0 | 101,500 | 110,000 |
| 83-TG14D | 1.625 | 0.75 | 14.0 | 7.0 | 29,000 | 274.0 | 109,000 | 120,000 |
| 83-TG15D | 1.625 | 0.75 | 15.0 | 7.5 | 31,500 | 293.0 | 117,000 | 130,000 |
| 83-TG16D | 1.625 | 0.75 | 16.0 | 8.0 | 34,000 | 313.0 | 125,000 | 140,000 |
| 83-TG17D | 1.625 | 0.75 | 17.0 | 8.5 | 36,000 | 332.0 | 133,000 | 150,000 |
| 83-TG18D | 1.625 | 0.75 | 18.0 | 9.0 | 38,000 | 351.0 | 141,000 | 160,000 |
| 83-TC01A | 0.505 | 0.25 | 1.0 | 5.0 | 24,000 | 6.0 | 700 | 2,500 |
| 83-TC02A | 0.505 | 0.25 | 2.0 | 9.9 | 49,000 | 12.0 | 1,400 | 5,000 |
| 83-TC03A | 0.505 | 0.25 | 3.0 | 15.0 | 73,900 | 18.0 | 2,100 | 10,000 |
| 83-TC04A | 0.505 | 0.25 | 4.0 | 19.7 | 98,000 | 24.0 | 2,800 | 20,000 |
| 83-TC05A | 0.505 | 0.25 | 5.0 | 24.8 | 123,000 | 30.0 | 3,500 | 30,000 |
| 83-TC06A | 0.505 | 0.25 | 6.0 | 29.6 | 147,000 | 36.0 | 4,200 | 40,000 |
| 83-TC07A | 0.505 | 0.25 | 7.0 | 34.8 | 172,000 | 42.0 | 4,900 | 50,000 |
| 83-TC08A | 0.505 | 0.25 | 8.0 | 39.4 | 197,000 | 48.0 | 5,600 | 60,000 |
| 83-TC09A | 0.505 | 0.25 | 9.0 | 44.8 | 221,000 | 54.0 | 6,300 | 70,000 |
| 83-TC10A | 0.505 | 0.25 | 10.0 | 49.3 | 246,000 | 60.0 | 7,000 | 80,000 |
| 83-TC11A | 0.505 | 0.25 | 11.0 | 54.5 | 271,000 | 66.0 | 7,700 | 90,000 |
| 83-TC12A | 0.505 | 0.25 | 12.0 | 59.2 | 295,000 | 72.0 | 8,400 | 100,000 |
| 83-TD01C | 0.75 | 0.50 | 1.0 | 3.5 | 16,000 | 6.0 | 1,000 | 2,500 |
| 83-TD02C | 0.75 | 0.50 | 2.0 | 6.5 | 32,000 | 12.0 | 2,000 | 5,000 |
| 83-TD03C | 0.75 | 0.50 | 3.0 | 10.0 | 48,000 | 18.0 | 3,000 | 10,000 |
| 83-TD04C | 0.75 | 0.50 | 4.0 | 14.0 | 64,000 | 24.0 | 4,000 | 20,000 |
| 83-TD05C | 0.75 | 0.50 | 5.0 | 17.0 | 81,000 | 30.0 | 5,000 | 30,000 |
| 83-TD06C | 0.75 | 0.50 | 6.0 | 20.0 | 97,000 | 36.0 | 6,000 | 40,000 |



BULK CERAMIC RESISTORS

| Model | Dimensions [Inch] | | | Resistance Value [Ω] | | Peak Power [W] | Peak Energy [Joules] | Peak Voltage [Maximum] |
|----------|-------------------|------|--------|-------------------------------|---------|----------------|----------------------|------------------------|
| | Diameter | I.D | Length | Low | High | | | |
| 83-TD07C | 0.75 | 0.50 | 7.0 | 23.0 | 112,000 | 42.0 | 7,000 | 50,000 |
| 83-TD08C | 0.75 | 0.50 | 8.0 | 27.0 | 130,000 | 48.0 | 8,000 | 60,000 |
| 83-TD09C | 0.75 | 0.50 | 9.0 | 30.0 | 146,000 | 54.0 | 9,000 | 70,000 |
| 83-TD10C | 0.75 | 0.50 | 10.0 | 33.0 | 162,000 | 60.0 | 10,000 | 80,000 |
| 83-TD11C | 0.75 | 0.50 | 11.0 | 36.0 | 179,000 | 66.0 | 11,000 | 90,000 |
| 83-TD12C | 0.75 | 0.50 | 12.0 | 40.0 | 195,000 | 72.0 | 12,000 | 100,000 |
| 83-TE01D | 1.00 | 0.75 | 1.0 | 3.0 | 11,000 | 7.5 | 2,000 | 2,500 |
| 83-TE02D | 1.00 | 0.75 | 2.0 | 5.0 | 23,000 | 15.0 | 4,000 | 5,000 |
| 83-TE03D | 1.00 | 0.75 | 3.0 | 7.0 | 34,000 | 22.0 | 6,000 | 15,000 |
| 83-TE04D | 1.00 | 0.75 | 4.0 | 10.0 | 46,000 | 30.0 | 8,500 | 25,000 |
| 83-TE05D | 1.00 | 0.75 | 5.0 | 12.0 | 58,000 | 40.0 | 10,000 | 35,000 |
| 83-TE06D | 1.00 | 0.75 | 6.0 | 14.0 | 69,000 | 50.0 | 13,000 | 45,000 |
| 83-TE07D | 1.00 | 0.75 | 7.0 | 17.0 | 81,000 | 62.0 | 14,000 | 55,000 |
| 83-TE08D | 1.00 | 0.75 | 8.0 | 19.0 | 92,000 | 75.0 | 16,500 | 65,000 |
| 83-TE09D | 1.00 | 0.75 | 9.0 | 22.0 | 104,000 | 80.0 | 19,000 | 75,000 |
| 83-TE10D | 1.00 | 0.75 | 10.0 | 24.0 | 116,000 | 85.0 | 22,000 | 85,000 |
| 83-TE11D | 1.00 | 0.75 | 11.0 | 26.0 | 127,000 | 92.0 | 24,000 | 95,000 |
| 83-TE12D | 1.00 | 0.75 | 12.0 | 28.0 | 139,000 | 100.0 | 27,000 | 105,000 |
| 83-TE13D | 1.00 | 0.75 | 13.0 | 31.0 | 151,000 | 107.0 | 30,000 | 115,000 |
| 83-TE14D | 1.00 | 0.75 | 14.0 | 33.0 | 162,000 | 115.0 | 33,000 | 125,000 |
| 83-TE15D | 1.00 | 0.75 | 15.0 | 36.0 | 174,000 | 122.0 | 35,000 | 135,000 |
| 83-TE16D | 1.00 | 0.75 | 16.0 | 38.0 | 186,000 | 130.0 | 38,000 | 145,000 |
| 83-TE17D | 1.00 | 0.75 | 17.0 | 40.0 | 196,000 | 140.0 | 40,000 | 155,000 |
| 83-TE18D | 1.00 | 0.75 | 18.0 | 42.0 | 209,000 | 150.0 | 43,000 | 165,000 |
| 83-TF02E | 1.50 | 1.00 | 2.0 | 1.7 | 8,100 | 24.0 | 10,000 | 5,000 |
| 83-TF04E | 1.50 | 1.00 | 4.0 | 3.3 | 16,200 | 48.0 | 20,000 | 25,000 |
| 83-TF06E | 1.50 | 1.00 | 6.0 | 5.0 | 24,400 | 70.0 | 30,000 | 45,000 |
| 83-TF08E | 1.50 | 1.00 | 8.0 | 6.6 | 32,500 | 100.0 | 46,000 | 65,000 |
| 83-TF10E | 1.50 | 1.00 | 10.0 | 8.2 | 40,700 | 120.0 | 60,000 | 85,000 |
| 83-TF12E | 1.50 | 1.00 | 12.0 | 9.8 | 48,900 | 150.0 | 75,000 | 95,000 |
| 83-TF14E | 1.50 | 1.00 | 14.0 | 11.5 | 57,100 | 175.0 | 85,000 | 110,000 |
| 83-TF16E | 1.50 | 1.00 | 16.0 | 13.1 | 65,300 | 200.0 | 100,000 | 130,000 |
| 83-TF18E | 1.50 | 1.00 | 18.0 | 14.7 | 73,500 | 225.0 | 119,000 | 150,000 |
| 83-TG02E | 1.625 | 1.00 | 2.0 | 2.0 | 6,000 | 30.0 | 12,000 | 5,000 |
| 83-TG04E | 1.625 | 1.00 | 4.0 | 3.0 | 12,000 | 61.0 | 24,000 | 25,000 |
| 83-TG06E | 1.625 | 1.00 | 6.0 | 4.0 | 18,000 | 92.0 | 37,000 | 45,000 |
| 83-TG08E | 1.625 | 1.00 | 8.0 | 6.0 | 24,000 | 123.0 | 49,000 | 65,000 |
| 83-TG10E | 1.625 | 1.00 | 10.0 | 7.0 | 31,000 | 154.0 | 61,000 | 85,000 |
| 83-TG12E | 1.625 | 1.00 | 12.0 | 8.0 | 37,000 | 185.0 | 74,000 | 95,000 |
| 83-TG14E | 1.625 | 1.00 | 14.0 | 9.0 | 43,000 | 216.0 | 86,000 | 110,000 |
| 83-TG16E | 1.625 | 1.00 | 16.0 | 11.0 | 49,000 | 247.0 | 98,000 | 130,000 |
| 83-TG18E | 1.625 | 1.00 | 18.0 | 12.0 | 55,000 | 278.0 | 111,000 | 150,000 |



BULK CERAMIC RESISTORS

| Model | Dimensions [Inch] | | | Resistance Value [Ω] | | Peak Power [W] | Peak Energy [Joules] | Peak Voltage [Maximum] |
|----------|-------------------|------|--------|-------------------------------|---------|----------------|----------------------|------------------------|
| | Diameter | I.D | Length | Low | High | | | |
| 85-TD02A | 0.775 | 0.26 | 2.0 | 10.0 | 19,000 | 9.4 | 3,770 | 10,000 |
| 85-TD04A | 0.775 | 0.26 | 4.0 | 20.0 | 38,000 | 18.8 | 7,540 | 20,000 |
| 85-TD06A | 0.775 | 0.26 | 6.0 | 30.0 | 57,000 | 28.3 | 11,310 | 40,000 |
| 85-TD08A | 0.775 | 0.26 | 8.0 | 40.0 | 76,000 | 37.7 | 15,080 | 60,000 |
| 85-TD10A | 0.775 | 0.26 | 10.0 | 50.0 | 95,000 | 47.1 | 18,850 | 80,000 |
| 85-TD12A | 0.775 | 0.26 | 12.0 | 60.0 | 114,000 | 56.5 | 22,620 | 100,000 |
| 85-TE02C | 1.00 | 0.51 | 2.0 | 7.0 | 13,500 | 14.0 | 5,600 | 10,000 |
| 85-TE04C | 1.00 | 0.51 | 4.0 | 14.0 | 27,000 | 28.0 | 11,300 | 20,000 |
| 85-TE06C | 1.00 | 0.51 | 6.0 | 21.0 | 40,000 | 42.0 | 16,900 | 40,000 |
| 85-TE08C | 1.00 | 0.51 | 8.0 | 28.0 | 54,000 | 56.0 | 22,600 | 60,000 |
| 85-TE10C | 1.00 | 0.51 | 10.0 | 35.0 | 68,000 | 70.0 | 28,200 | 80,000 |
| 85-TE12C | 1.00 | 0.51 | 12.0 | 42.0 | 82,000 | 84.0 | 33,900 | 100,000 |
| 85-TE14C | 1.00 | 0.51 | 14.0 | 49.0 | 96,000 | 99.0 | 39,500 | 120,000 |
| 85-TE16C | 1.00 | 0.51 | 16.0 | 56.0 | 109,000 | 113.0 | 45,200 | 140,000 |
| 85-TE18C | 1.00 | 0.51 | 18.0 | 62.0 | 123,000 | 127.0 | 50,800 | 160,000 |
| 85-TF02D | 1.50 | 0.78 | 2.0 | 3.0 | 5,000 | 36.0 | 14,000 | 10,000 |
| 85-TF04D | 1.50 | 0.78 | 4.0 | 5.0 | 10,000 | 75.0 | 28,000 | 20,000 |
| 85-TF06D | 1.50 | 0.78 | 6.0 | 8.0 | 15,000 | 110.0 | 42,000 | 40,000 |
| 85-TF08D | 1.50 | 0.78 | 8.0 | 11.0 | 20,000 | 150.0 | 56,000 | 60,000 |
| 85-TF10D | 1.50 | 0.78 | 10.0 | 13.0 | 25,000 | 180.0 | 70,000 | 80,000 |
| 85-TF12D | 1.50 | 0.78 | 12.0 | 16.0 | 30,000 | 220.0 | 85,000 | 100,000 |
| 85-TF14D | 1.50 | 0.78 | 14.0 | 19.0 | 35,000 | 260.0 | 100,000 | 120,000 |
| 85-TF16D | 1.50 | 0.78 | 16.0 | 21.0 | 40,000 | 300.0 | 114,000 | 140,000 |
| 85-TF18D | 1.50 | 0.78 | 18.0 | 24.0 | 46,000 | 330.0 | 128,000 | 160,000 |
| 85-TG02D | 1.64 | 0.78 | 2.0 | 2.5 | 4,000 | 39.0 | 15,000 | 10,000 |
| 85-TG04D | 1.64 | 0.78 | 4.0 | 5.0 | 8,000 | 78.0 | 31,000 | 20,000 |
| 85-TG06D | 1.64 | 0.78 | 6.0 | 7.0 | 14,000 | 118.0 | 47,000 | 40,000 |
| 85-TG08D | 1.64 | 0.78 | 8.0 | 10.0 | 19,000 | 157.0 | 62,000 | 60,000 |
| 85-TG10D | 1.64 | 0.78 | 10.0 | 12.0 | 24,000 | 196.0 | 78,000 | 80,000 |
| 85-TG12D | 1.64 | 0.78 | 12.0 | 15.0 | 29,000 | 235.0 | 94,000 | 100,000 |
| 85-TG14D | 1.64 | 0.78 | 14.0 | 17.0 | 34,000 | 275.0 | 109,000 | 120,000 |
| 85-TG16D | 1.64 | 0.78 | 16.0 | 20.0 | 39,000 | 314.0 | 125,000 | 140,000 |
| 85-TG18D | 1.64 | 0.78 | 18.0 | 22.0 | 44,000 | 353.0 | 141,000 | 160,000 |
| 85-TC02A | 0.525 | 0.26 | 2.0 | 26.0 | 50,000 | 12.0 | 1,400 | 5,000 |
| 85-TC04A | 0.525 | 0.26 | 4.0 | 51.0 | 101,000 | 24.0 | 2,800 | 20,000 |
| 85-TC06A | 0.525 | 0.26 | 6.0 | 78.0 | 152,000 | 36.0 | 4,200 | 40,000 |
| 85-TC08A | 0.525 | 0.26 | 8.0 | 102.0 | 200,000 | 48.0 | 5,600 | 60,000 |
| 85-TC10A | 0.525 | 0.26 | 10.0 | 128.0 | 254,000 | 60.0 | 7,000 | 80,000 |
| 85-TC12A | 0.525 | 0.26 | 12.0 | 154.0 | 305,000 | 72.0 | 8,400 | 100,000 |
| 85-TD02C | 0.775 | 0.51 | 2.0 | 15.0 | 29,000 | 12.0 | 2,000 | 5,000 |
| 85-TD04C | 0.775 | 0.51 | 4.0 | 30.0 | 59,000 | 24.0 | 4,000 | 20,000 |
| 85-TD06C | 0.775 | 0.51 | 6.0 | 45.0 | 89,000 | 36.0 | 6,000 | 40,000 |
| 85-TD08C | 0.775 | 0.51 | 8.0 | 60.0 | 119,000 | 48.0 | 8,000 | 60,000 |
| 85-TD10C | 0.775 | 0.51 | 10.0 | 75.0 | 149,000 | 60.0 | 10,000 | 80,000 |
| 85-TD12C | 0.775 | 0.51 | 12.0 | 90.0 | 179,000 | 72.0 | 12,000 | 100,000 |



| Model | Dimensions [Inch] | | | Resistance Value [Ω] | | Peak Power [W] | Peak Energy [Joules] | Peak Voltage [Maximum] |
|----------|-------------------|------|--------|-------------------------------|---------|----------------|----------------------|------------------------|
| | Diameter | I.D | Length | Low | High | | | |
| 85-TE02D | 1.00 | 0.76 | 2.0 | 14.0 | 25,000 | 15.0 | 4,000 | 5,000 |
| 85-TE04D | 1.00 | 0.76 | 4.0 | 27.0 | 51,000 | 30.0 | 8,500 | 25,000 |
| 85-TE06D | 1.00 | 0.76 | 6.0 | 40.0 | 77,000 | 50.0 | 13,000 | 45,000 |
| 85-TE08D | 1.00 | 0.76 | 8.0 | 53.0 | 103,000 | 75.0 | 16,500 | 65,000 |
| 85-TE10D | 1.00 | 0.76 | 10.0 | 64.0 | 129,000 | 85.0 | 22,000 | 85,000 |
| 85-TE12D | 1.00 | 0.76 | 12.0 | 77.0 | 155,000 | 100.0 | 27,000 | 105,000 |
| 85-TE14D | 1.00 | 0.76 | 14.0 | 90.0 | 181,000 | 115.0 | 33,000 | 125,000 |
| 85-TE16D | 1.00 | 0.76 | 16.0 | 105.0 | 207,000 | 130.0 | 38,000 | 145,000 |
| 85-TE18D | 1.00 | 0.76 | 18.0 | 118.0 | 233,000 | 150.0 | 43,000 | 165,000 |
| 85-TF02E | 1.50 | 1.10 | 2.0 | 5.0 | 8,000 | 24.0 | 10,000 | 5,000 |
| 85-TF04E | 1.50 | 1.10 | 4.0 | 8.5 | 16,000 | 48.0 | 20,000 | 25,000 |
| 85-TF06E | 1.50 | 1.10 | 6.0 | 12.0 | 24,000 | 70.0 | 30,000 | 45,000 |
| 85-TF08E | 1.50 | 1.10 | 8.0 | 17.0 | 32,000 | 100.0 | 46,000 | 65,000 |
| 85-TF10E | 1.50 | 1.10 | 10.0 | 21.0 | 40,000 | 120.0 | 60,000 | 85,000 |
| 85-TF12E | 1.50 | 1.10 | 12.0 | 25.0 | 48,000 | 150.0 | 75,000 | 95,000 |
| 85-TF14E | 1.50 | 1.10 | 14.0 | 29.0 | 56,000 | 175.0 | 85,000 | 110,000 |
| 85-TF16E | 1.50 | 1.10 | 16.0 | 33.0 | 64,000 | 200.0 | 100,000 | 130,000 |
| 85-TF18E | 1.50 | 1.10 | 18.0 | 37.0 | 73,000 | 225.0 | 119,000 | 150,000 |
| 85-TG02E | 1.64 | 1.10 | 2.0 | 4.0 | 6,000 | 30.0 | 12,000 | 5,000 |
| 85-TG04E | 1.64 | 1.10 | 4.0 | 6.5 | 12,000 | 61.0 | 24,000 | 25,000 |
| 85-TG06E | 1.64 | 1.10 | 6.0 | 9.5 | 18,000 | 92.0 | 37,000 | 45,000 |
| 85-TG08E | 1.64 | 1.10 | 8.0 | 13.0 | 24,000 | 123.0 | 49,000 | 65,000 |
| 85-TG10E | 1.64 | 1.10 | 10.0 | 16.0 | 30,000 | 154.0 | 61,000 | 85,000 |
| 85-TG12E | 1.64 | 1.10 | 12.0 | 19.0 | 36,000 | 185.0 | 74,000 | 95,000 |
| 85-TG14E | 1.64 | 1.10 | 14.0 | 22.0 | 42,000 | 216.0 | 86,000 | 110,000 |
| 85-TG16E | 1.64 | 1.10 | 16.0 | 25.0 | 48,000 | 247.0 | 98,000 | 130,000 |
| 85-TG18E | 1.64 | 1.10 | 18.0 | 28.0 | 54,000 | 278.0 | 111,000 | 150,000 |

* **Note** : The material code is defined by the first two numbers - 83 = Zirconium Based Ceramic / 85 = Alumina Based Ceramic. Part Number plus the Resistance Code is used for specifying a particular part. The Resistance code is defined by the first two numbers of the resistance value, followed by a single number multiplier, and the resistance tolerance (20% is L, 10% is K, 5% is J). When the resistance is less than 10 ohms, the multiplier is not used and replaced by an "R". For example a 1.0" x 0.50" X 6.0" Resistor Tube at 150 ohms +/-10% would be qualified as 83-TE06C-151K, and a 1.0" x 0.75" X 16.0 Resistor Tube at 5,000 ohms +/-20% would be 83-TE16D-502L.