



## Resistors Rods

Resistor rods 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, and impulse voltage generators.



Wire Wound Resistors

Current Sensing Resistors

Precision Resistors

Power Film Resistors

High Voltage Resistors

Bulk Ceramic Resistors

Heaters

### GENERAL SPECIFICATIONS

| Model   | Dimensions (Inches) |        | Resistance value [ $\Omega$ ] |         | Peak Power [W] | Peak Energy [Joules] | Peak Voltage (Maximum) |
|---------|---------------------|--------|-------------------------------|---------|----------------|----------------------|------------------------|
|         | Diameter            | Length | Low                           | High    |                |                      |                        |
| 83-RC02 | 0.500               | 2      | 9                             | 40,000  | 4.7            | 1,800                | 10,000                 |
| 83-RC04 | 0.500               | 4      | 17                            | 81,000  | 9.4            | 3,700                | 20,000                 |
| 83-RC06 | 0.500               | 6      | 25                            | 122,000 | 14.1           | 5,600                | 40,000                 |
| 83-RC08 | 0.500               | 8      | 33                            | 162,000 | 18.8           | 7,500                | 60,000                 |
| 83-RC10 | 0.500               | 10     | 41                            | 203,000 | 23.6           | 9,400                | 80,000                 |
| 83-RC12 | 0.500               | 12     | 49                            | 244,000 | 28.3           | 11,300               | 100,000                |
| 83-RD02 | 0.75                | 2      | 4                             | 18,000  | 10.6           | 4,200                | 10,000                 |
| 83-RD04 | 0.75                | 4      | 8                             | 36,000  | 21.2           | 8,400                | 20,000                 |
| 83-RD06 | 0.75                | 6      | 11                            | 54,000  | 31.8           | 12,700               | 40,000                 |
| 83-RD08 | 0.75                | 8      | 15                            | 72,000  | 42.4           | 16,900               | 60,000                 |
| 83-RD10 | 0.75                | 10     | 19                            | 90,000  | 53.0           | 21,200               | 80,000                 |
| 83-RD12 | 0.75                | 12     | 22                            | 108,000 | 63.6           | 25,400               | 100,000                |
| 83-RE02 | 1.0                 | 2      | 3                             | 10,000  | 18             | 7,500                | 10,000                 |
| 83-RE04 | 1.0                 | 4      | 5                             | 20,000  | 37             | 15,000               | 20,000                 |
| 83-RE06 | 1.0                 | 6      | 7                             | 30,000  | 56             | 22,600               | 40,000                 |
| 83-RE08 | 1.0                 | 8      | 9                             | 40,000  | 75             | 30,100               | 60,000                 |
| 83-RE10 | 1.0                 | 10     | 11                            | 50,000  | 94             | 37,600               | 80,000                 |
| 83-RE12 | 1.0                 | 12     | 13                            | 61,000  | 113            | 45,200               | 100,000                |
| 83-RE14 | 1.0                 | 14     | 15                            | 71,000  | 131            | 52,700               | 120,000                |
| 83-RE16 | 1.0                 | 16     | 17                            | 81,000  | 150            | 60,300               | 140,000                |
| 83-RE18 | 1.0                 | 18     | 18                            | 91,600  | 169            | 67,800               | 160,000                |
| 83-RF02 | 1.5                 | 2      | 1                             | 4,500   | 40             | 16,000               | 10,000                 |
| 83-RF04 | 1.5                 | 4      | 2                             | 9,000   | 80             | 33,000               | 20,000                 |
| 83-RF06 | 1.5                 | 6      | 3                             | 13,500  | 125            | 50,000               | 40,000                 |
| 83-RF08 | 1.5                 | 8      | 4                             | 18,000  | 165            | 67,000               | 60,000                 |
| 83-RF10 | 1.5                 | 10     | 5                             | 22,000  | 210            | 84,000               | 80,000                 |
| 83-RF12 | 1.5                 | 12     | 6                             | 27,000  | 250            | 101,000              | 100,000                |
| 83-RF14 | 1.5                 | 14     | 7                             | 31,000  | 290            | 118,000              | 120,000                |
| 83-RF16 | 1.5                 | 16     | 8                             | 36,000  | 335            | 135,000              | 140,000                |
| 83-RF18 | 1.5                 | 18     | 9                             | 40,000  | 380            | 152,000              | 160,000                |
| 83-RG02 | 1.625               | 2      | 0.9                           | 3,800   | 44             | 19,000               | 10,000                 |
| 83-RG04 | 1.625               | 4      | 1.7                           | 7,700   | 95             | 39,000               | 20,000                 |
| 83-RG06 | 1.625               | 6      | 2.5                           | 11,500  | 145            | 59,000               | 40,000                 |
| 83-RG08 | 1.625               | 8      | 3.3                           | 15,400  | 195            | 79,000               | 60,000                 |
| 83-RG10 | 1.625               | 10     | 4                             | 19,200  | 245            | 99,000               | 80,000                 |
| 83-RG12 | 1.625               | 12     | 4.8                           | 23,100  | 295            | 119,000              | 100,000                |
| 83-RG14 | 1.625               | 14     | 5.6                           | 27,000  | 345            | 139,000              | 120,000                |
| 83-RG16 | 1.625               | 16     | 6.3                           | 30,800  | 395            | 159,000              | 140,000                |
| 83-RG18 | 1.625               | 18     | 6.9                           | 34,700  | 445            | 179,000              | 160,000                |

\*Note : Other length's available upon request

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 0.75" x 6.0" Resistor Rod at 50 ohms +/-10% would be qualified as "83-RD06-500K, and a 1.0" x 12.0 Resistor Rod at 15,000 ohms +/-20% is 83-RE12-153L.