



## Resistor Tubes

Resistor tubes 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.



### GENERAL SPECIFICATIONS - THIN WALL RESISTOR TUBES

Model	Dimensions [Inches]			Resistance value [ $\Omega$ ]		Peak Power [W]	Peak Energy [Joules]	Peak Voltage [Maximum]
	Diameter	I.D	Length	Low	High			
83-TC02A	0.505	0.22	2	9.9	49,297	12	1,400	5,000
83-TC04A	0.505	0.22	4	19.7	98,593	24	2,800	20,000
83-TC06A	0.505	0.22	6	29.6	147,890	36	4,200	40,000
83-TC08A	0.505	0.22	8	39.4	197,186	48	5,600	60,000
83-TC10A	0.505	0.22	10	49.3	246,483	60	7,000	80,000
83-TC12A	0.505	0.22	12	59.2	295,779	72	8,400	95,000
83-TD02C	0.750	0.5	2	6.5	32,595	12	2,000	5,000
83-TD04C	0.750	0.5	4	13	65,190	24	4,000	20,000
83-TD06C	0.750	0.5	6	19.6	97,785	36	6,000	40,000
83-TD08C	0.750	0.5	8	26.1	130,379	48	8,000	60,000
83-TD10C	0.750	0.5	10	32.6	162,974	60	10,000	80,000
83-TD12C	0.750	0.5	12	39.1	195,569	72	12,000	95,000
83-TE02D	1.000	0.75	2	5	23,200	15	4,000	5,000
83-TE04D	1.000	0.75	4	10	46,500	30	8,500	25,000
83-TE06D	1.000	0.75	6	14	69,800	50	13,000	45,000
83-TE08D	1.000	0.75	8	19	93,100	75	16,500	65,000
83-TE10D	1.000	0.75	10	24	116,400	85	22,000	85,000
83-TE12D	1.000	0.75	12	28	139,600	100	27,000	95,000
83-TE14D	1.000	0.75	14	33	162,900	115	33,400	110,000
83-TE16D	1.000	0.75	16	38	186,200	130	38,000	130,000
83-TE18D	1.000	0.75	18	41.9	209,500	150	43,000	150,000
83-TF02E	1.500	1.0	2	1.7	8,100	24	10,000	5,000
83-TF04E	1.500	1.0	4	3.3	16,200	48	20,000	25,000
83-TF06E	1.500	1.0	6	5	24,400	70	30,000	45,000
83-TF08E	1.500	1.0	8	6.6	32,500	100	46,000	65,000
83-TF10E	1.500	1.0	10	8.2	40,700	120	60,000	85,000
83-TF12E	1.500	1.0	12	9.8	49,000	150	75,000	95,000
83-TF14E	1.500	1.0	14	11.5	57,000	175	85,000	110,000
83-TF16E	1.500	1.0	16	13.1	65,100	200	100,000	130,000
83-TF18E	1.500	1.0	18	14.7	73,338	225	119,000	150,000
83-TG02D	1.625	0.75	2	1	4,800	39	15,000	5,000
83-TG04D	1.625	0.75	4	2	9,800	78	31,000	25,000
83-TG06D	1.625	0.75	6	3	14,000	117	47,000	45,000
83-TG08D	1.625	0.75	8	4	19,000	156	62,000	65,000
83-TG10D	1.625	0.75	10	5	24,000	195	78,000	85,000
83-TG12D	1.625	0.75	12	6	29,000	235	94,000	95,000
83-TG14D	1.625	0.75	14	7	34,000	274	109,000	110,000
83-TG16D	1.625	0.75	16	8	39,000	313	125,000	130,000
83-TG18D	1.625	0.75	18	9	44,000	352	141,000	150,000
83-TG02E	1.625	1.0	2	2	6,000	30	12,000	5,000
83-TG04E	1.625	1.0	4	3	12,000	61	24,000	25,000
83-TG06E	1.625	1.0	6	4	18,000	92	37,000	45,000
83-TG08E	1.625	1.0	8	6	24,000	123	49,000	65,000
83-TG10E	1.625	1.0	10	7	31,000	154	61,000	85,000
83-TG12E	1.625	1.0	12	8	37,000	185	74,000	95,000
83-TG14E	1.625	1.0	14	9	43,000	216	86,000	110,000
83-TG16E	1.625	1.0	16	11	49,000	247	98,000	130,000
83-TG18E	1.625	1.0	18	12	55,000	278	111,000	150,000

\*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 0.50" x 0.220" X 6.0" Resistor Tube at 50 ohms +/-10% would be qualified as 83-TC06A-500K, and a 0.750" x 0.25" X 10.0 Resistor Tube at 12,000 ohms +/-20% would be 83-TD10A-123L.