



AXIAL LEAD RESISTORS

High Power, Non-Inductive, Ceramic Axial Lead Resistors from U.S. Resistor provide unique solutions in applications where carbon composition traditionally have been used, often replacing two (2) or more with a single ceramic resistor. Some areas where the axial lead resistors are being used are in testing equipment, high voltage power supplies and cable connectors, soft start, pulse waveform, EMF / RFI test circuits, high voltage power supplies, and RC snubber circuits. These ceramic axial lead resistors perform well where high peak power or high energy pulses are required to be handled using smaller size resistors. These non-inductive axial lead resistors are able to dissipate the energy uniformly through the entire resistor body.

AXIAL LEAD	Part Number	Diameter	Length	Low	High	Power	Energy	Voltage
	<i>Axial</i>	<i>Inches</i>	<i>Inches</i>	<i>Ohms</i>	<i>Ohms</i>	<i>Watts</i>	<i>joules</i>	<i>Maximum</i>
	83-A01	0.250	1	17	81,000	2.2	236	5,000
	83-A02	0.250	2	33	162,000	4.5	471	15,000
	83-A03	0.250	3	49	244,000	6.7	707	25,000
	83-A04	0.250	4	66	325,000	9.0	942	35,000
	83-A05	0.250	5	82	407,000	11.2	1,178	45,000
	83-A06	0.250	6	98	488,000	13.5	1,414	55,000
	83-A07	0.250	7	115	570,000	15.7	1,649	65,000
	83-A08	0.250	8	131	651,000	18.0	1,885	75,000
	83-A09	0.250	9	147	733,000	20.2	2,121	85,000
	83-A10	0.250	10	163	814,000	22.5	2,356	95,000
	83-A11	0.250	11	180	896,000	24.7	2,592	105,000
	83-A12	0.250	12	196	977,000	27.0	2,827	115,000
	83-B01	0.437	1	6	26,000	3.9	720	5,000
	83-B02	0.437	2	11	53,000	7.9	1,440	15,000
	83-B03	0.437	3	16	80,000	11.8	2,160	25,000
	83-B04	0.437	4	22	106,000	15.7	2,880	35,000
	83-B05	0.437	5	27	133,000	19.6	3,600	45,000
	83-B06	0.437	6	32	160,000	23.6	4,320	55,000
	83-B07	0.437	7	38	186,000	27.5	5,040	65,000
	83-B08	0.437	8	43	213,000	31.4	5,760	75,000
	83-B09	0.437	9	48	240,000	35.3	6,479	85,000
	83-B10	0.437	10	54	266,000	39.3	7,199	95,000
	83-B11	0.437	11	59	293,000	43.2	7,919	105,000
	83-B12	0.437	12	65	320,000	47.1	8,639	115,000

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.
- 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, the following would be qualified as:

- 0.250" x 6.0" Axial Leaded Resistor at 250 ohms +/- 10% 83-A06-251K
- 0.437" x 6.0" Axial Leaded Resistor at 5,000 ohms +/- 10% 83-B06-502K

