

HVR

CARBON RESISTORS

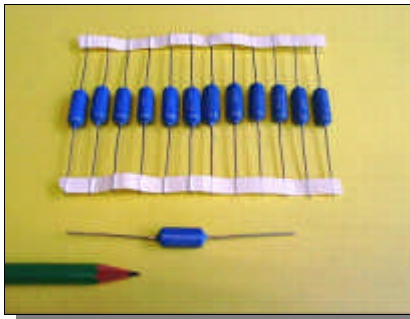
- **Rods and tubes**

- Used in air, oil, SF6
- Large range of sizes and terminations



- **Compact for PCB**

- High surge energy rating
- Pressed cap terminations
- Epoxy resin coating
- Large range



- **Disc and assemblies**

- Large range of size
- Assembly stacks
- Custom design



- **100% active body**

- Mixt carbon and alumina
- Mechanical strength
- Wide resistivity range
- Oil preimpregnation option

- **High voltage and energy**

- High surge energy rating
- High voltage withstand
- Non-inductive

- **Quality**

- TQMS
- 100% tested products
- ISO 9002 certification

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SELECTION GUIDE CARBON RESISTORS

■ Rods and tubes

	SL 703C	TL 703A	710	701	702	708	721	720	719	723
D (mm)	55	55	25	25	25	20	10	10	10	10
L (mm)	600	300	460	250	150	60 to 200	50 to 150	116	56	50
Value (Ohm)	47 to 3300	33 to 2700	47 to 10000	22 to 4700	10 to 2200	4.7 to 4700	10 to 3300	22 to 2200	10 to 1000	10 to 1000
Joules	275000	70000	45000	22000	11000	4500 to 20000	1000 to 3000	2600	1100	1000
Watts@20°C	400	220	150	90	55	18 to 80	10 to 30	20	10	10
Impulse volts (1.2/50µs)	24LogR	15LogR	12LogR	8LogR	6LogR	3.3logR to 7.5LogR	1.6LogR to 5LogR	4.3LogR	1.9LogR	1.6LogR

■ Compact for PCB

HV Epoxy coating resistor

	RT818A	AB 912	AB 903	AJ 149	AB 993	AB 620	AB 663	AB 662	AB 664	AB 186
D max (mm)	8	13	13	13	16	21	21	26	26	33
L max (mm)	18	9	12	22	22	25	32	30	55	55
Value (Ohm)	10 to 47 K	1.1 to 8.2 K	2.2 to 15 K	5.6 to 33 K	3.3 to 22 K	2.2 to 15 K	2.7 to 18 K	1.8 to 12 K	3.3 to 22 K	2.2 to 15 K
Joules at 25°C	70	100	175	400	650	1400	1900	2800	5600	9400
Watts at 25°C	2	0.75	1	2	4	4	5	6	10	14
Max impulse (KV peak)	7.5	2.6 to 5.1	3.9 to 9.8	7.4 to 21	9 to 22	11 to 23	14 to 35	16 to 28	22 to 44	25 to 50

SR Epoxy coating gold plated brass spring terminals

	SR 0250	SR 0400	SR 0650	SR 0775	SR 1200	SR 1775	SR 2250	SR 5200	SR 6975	SR10375
D (mm)	13	13	16	21	21	21	26	26	33	33
L (mm)	15	21	21	15	21	29	24	50	41	59
Value (Ohm)	12 to 5600	18 to 8200	12 to 5600	4 to 1800	7 to 3300	10 to 4700	5 to 2200	10 to 4700	6 to 2700	8 to 3900
Joules at 25°C	250	400	650	775	1200	1775	2250	5200	7000	10400
Watts at 25°C	1.5	2	2.5	3	3.8	5	6	10	11.5	15.25

■ Linear disc resistor (length 25.4 mm, solid disc or with central hole)

	M 001A	M 001	M 001B	M 002A	M 002	M 003	M 004A	M 004B	M 005	M 006
D (mm)	19	24	31	42	50	74	94	112	127	151
Do (mm)	0 or 11	0 or 11	0/11/14	0/14/20	0 or 20	20/26/34	20/26/34	20/26/34	20/26/34	20/26/34
Value (Ohm)	3.9 to 27K	2 to 15 K	1.2 to 10 K	0.68 to 5.6 K	0.43 to 3.6 K	0.22 to 1 K	0.12 to 560	0.082 to 390	0.068 to 180	0.047 to 120
Max Joules	1 800	2 875	4 800	8 800	12 500	2 7500	44 000	62 500	80 500	113 500
Watts	3.5	4	5.5	7.5	9	13	16.5	19.5	22	26

For custom resistor discs assemblies into stacks: consult factory