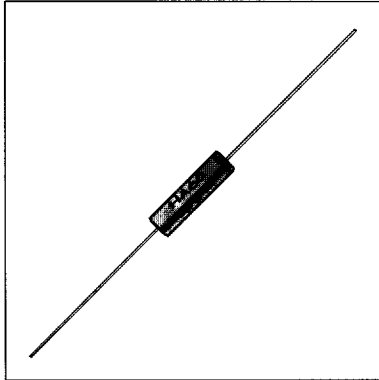


### Key features



1/4 watt up to 5 watts •

up to 100 megohms •

tcr down to 25ppm •

flameproof coating •

high humidity coating •

tolerances down to 0.1% •

tcr to customer requirements •

supplied on tape, bulk and ammo pack •

### Specification

#### Electrical

Style	Power Rating	Voltage Rating	Resistance Range (ohms)	Tolerances (%)	T.C.R (ppm/°C)	V.C.R (ppm/Volt)	
						Min.	Max.
HA55	0.25W	500V	20K ~ 100M	0.1, 0.25, 0.5, 1.0	25, 50, 100	-1.0	-10
HA60	0.5W	750V	50K ~ 100M	0.1, 0.25, 0.5, 1.0	25, 50, 100	-0.75	-7.0
HA65	1.0W	1500V	300K ~ 100M	0.1, 0.25, 0.5, 1.0	25, 50, 100	0	-5.0
HA70	2.0W	3500V	500K ~ 100M	0.1, 0.25, 0.5, 1.0	25, 50, 100	0	-5.0
HA80	3.0W	5000V	500K ~ 100M	0.1, 0.25, 0.5, 1.0	25, 50, 100	0	-5.0
HA120	5.0W	10000V	500K ~ 100M	0.1, 0.25, 0.5, 1.0	25, 50, 100	0	-5.0

Style	Absolute Max.	Critical	Absolute Max.
	DC Voltage	Resistance (ohms)	RMS AC Voltage
HA55	750V	1M	500V
HA60	1125V	1M125	750V
HA65	2250V	2M25	1500V
HA70	5250V	6M125	3500V
HA80	7500V	8M33	5000V
HA120	15000V	20M	10000V

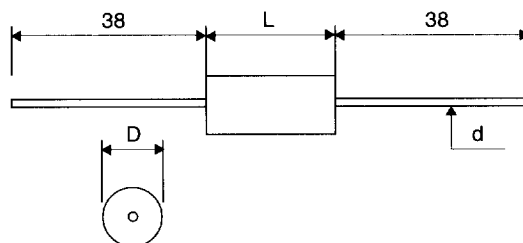
### Special Resistors

#### type HA series

The HA is a precision high voltage resistor produced by bonding a cermet film to a high purity, closely dimensioned alumina core. Oxygen free copper wire is welded to a silver plated copper end cap, that is tightly press fitted. A spiral is abraided into the film to produce the required value. A patented, tough specially formulated coating provides excellent environmental protection

### Dimensions

Style	L	D	d
HA55	6.76 ±0.38	2.39 ±0.15	0.635
HA60	9.53 ±0.76	3.43 ±0.76	0.812
HA65	14.99 ±0.76	4.19 ±0.76	0.812
HA70	20.57 ±0.64	5.72 ±0.76	0.812
HA80	23.88 ±0.64	7.87 ±0.76	0.812
HA120	53.34 ±0.76	7.87 ±0.76	0.812



### How to Order

Common Part	Resistance Value	Tolerance	T.C.R.
HA60	20M	B	D
HA Series	20K ohms (20000 ohms)	B - 0.1%	D - 25ppm
	200K ohms (200000 ohms)	C - 0.25%	C - 50ppm
	2M ohms (2000000 ohms)	D - 0.5%	Z - 100ppm
	20M ohms (20000000 ohms)	F - 1%	
	100M ohms (100000000 ohms)		

Please Request Full Data Sheet F0500