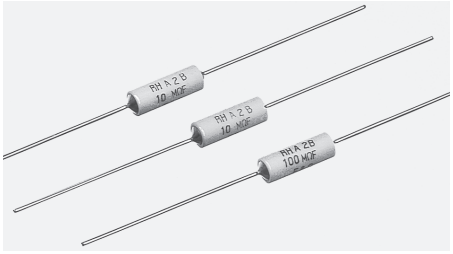
RHA TYPE

Superhigh Precision Hermetically Sealed Resistors



The RHA type resistors are hermetically sealed resistors which exhibit excellent long-term stability and moisture resistance even at high resistance value.

■FEATURES

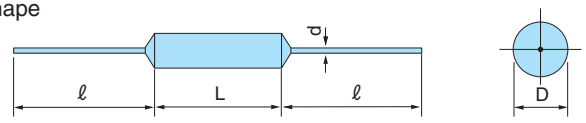
- ●Extremely low temperature coefficient.
- ●Small in size, light weight and high reliability.
- ●Excellent moisture resistance and long-term stability.
- ●A wide range of resistance values are stably obtained.

■CHARACTERISTICS

Item	Characteristics			Test method
	≦100MΩ	≦1GΩ	≦10GΩ	
Operating temperature range	−30˚C～+75˚C			
Voltage coefficient	0～−2ppm/V		0～−5ppm/V	Rated voltage and 1 /10 of rated voltage
Resistance to soldering heat	±0.1%		±0.2%	350˚C for 3 sec.
Load life	±0.2%		±0.5%	25°C, Rated power×1/2, 1,000hr.
Long-term stability	±0.1%	±0.2%	±0.5%	At normal temperature and humidity for 10,000hr.
Moisture resistance	±0.1%	±0.2%	±0.5%	40˚C 90～95%RH for 3,000hr.
Temperature coefficient	※A ±10 B ±25 C ±50 D ±100 ppm/˚C		D ±100 S ±200 ppm/˚C	Measured at 25˚C and 75˚C

■PRODUCTION DATA

●Shape



In RHA type, both side of hermetically sealed with solder.

<CAUTION>
Rated power recommend derate less than 50% for long term use.

Type	Characteristics		Range of resistance values		Rated power	Max. working voltage	Dimensions (mm)				Resistance tolerance (%)
	Symbol	Temperature coefficient (ppm/˚C)	Min. (MΩ)	Max. (MΩ)	(W)	DC (kV)	L	D	ℓ	d	
RHA2	B	±25	0.1	100	1	2	14±0.5	5.1±0.2	38±3	0.8±0.05	±0.1 (B)≦100M ±0.25(C)≦500M ±0.5 (D)≦1G ±1(F) ±2(G) ±5(J)≦10G
	C	±50	0.1	500							
	D	±100	0.1	2000							
	S	±200	0.1	10000							
RHA3	B	±25	0.1	100	2	5	27±0.5	6.5±0.2	38±3	1 ±0.05	
	C	±50	0.1	500							
	D	±100	0.1	2000							
	S	±200	0.1	10000							
RHA5	B	±25	0.1	100	2.5	10	42±0.5	6.5±0.2	38±3	1 ±0.05	
	C	±50	0.1	500							
	D	±100	0.1	2000							
	S	±200	0.1	10000							

NOTICE : ※Also consult your local dealer for the availability of resistors with a temperature coefficient of “A” characteristic.