

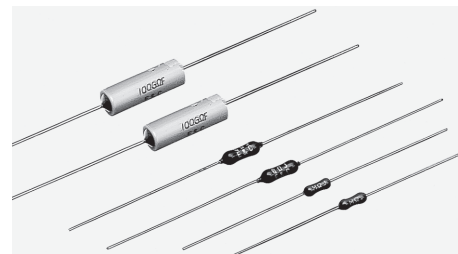
RH

Ultrahigh

TYPE

Precision Ultrahigh Value Resistors

{ RHA_{TYPE} : Hermetically sealed type }



The RH Ultrahigh type resistors are designed for use in the detection of trickle current and for other similar purposes. Their operating stability by far excels that of conventional models.

FEATURES

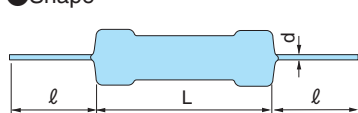
- Small temperature coefficient.
- Easy to handle.
- High reliability.
- Minimized reduction in long-term stability and load life.

CHARACTERISTICS

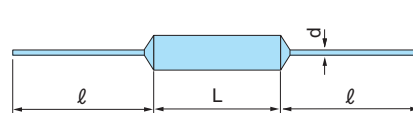
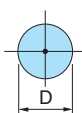
Item	Characteristics			Test method
Operating temperature range	RH Type: $-35^{\circ}\text{C}\sim+70^{\circ}\text{C}$ RHA Type: $-30^{\circ}\text{C}\sim+70^{\circ}\text{C}$			
Long-term stability	$\pm 1\%$			At normal temperature and humidity for 3,000hr.
Reduction in long-term stability at high temperature	$-1\%\leq$			In thermostatic oven maintained at 70°C for 1,000hr
Insulation resistance	$>9.0\times 10^{13}\Omega\text{cm}$			40°C , 90~95%RH, 1,000hr, at 500V
Voltage coefficient	10G Ω ~15G Ω	15G Ω ~7000G Ω	7000G Ω ~10000G Ω	Measured at 10V and 100V
	$-20\text{ppm}/\text{V}\leq$	$-100\text{ppm}/\text{V}\leq$	$-500\text{ppm}/\text{V}\leq$	Measured at 100V and 500V

PRODUCTION DATA

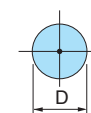
● Shape



RH Ultrahigh type



RHA Type (Hermetically sealed type)



Type	Temperature coefficient (ppm/ $^{\circ}\text{C}$)	Range of resistance values		Max. working voltage DC (kV)	Impulse voltage (kV) $1.2\times 50\mu\text{sec}$	Dimensions (mm) (RHA)type				Resistance tolerance (%)	
		Min. (G Ω)	Max. (G Ω)			L	D	ℓ	d		
RH1/4HVS	± 400	1	5	0.75	1.5	9 ± 1	3 ± 1	38 ± 3	0.6 ± 0.05	$\pm 1(\text{F})$ $\pm 2(\text{G})$ $\leq 1\text{T}\Omega$ $\pm 5(\text{J})$ $\pm 10(\text{K})$ $\leq 10\text{T}\Omega$	
RH1HVS (RHA2S)	± 200 ± 400	10 15	15 50	2	4	14.5 ± 1 (14 ± 0.5)	4.5 ± 1 (5.1 ± 0.2)	38 ± 3	0.8 ± 0.05		
RH2HVS (RHA3S)	± 200 ± 400 ± 1000 ± 1500	10 100 300 600	100 300 600 3000	5	10	26.5 ± 1 (27 ± 0.5)	5.5 ± 1 (6.5 ± 0.2)	38 ± 3	1 ± 0.05		
	RH3HVS (RHA5S)	± 200 ± 400 ± 1000 ± 1500	10 100 600 1000	100 600 1000 10000	10	20	42 ± 2 (42 ± 0.5)	5.5 ± 1 (6.5 ± 0.2)	38 ± 3		1 ± 0.05

NOTICE:※ The RHA type as an improved version of the RH type Ultrahigh Value Resistor is highly resistant to humidity, protected against a long-term stability, and offers increased reliability.