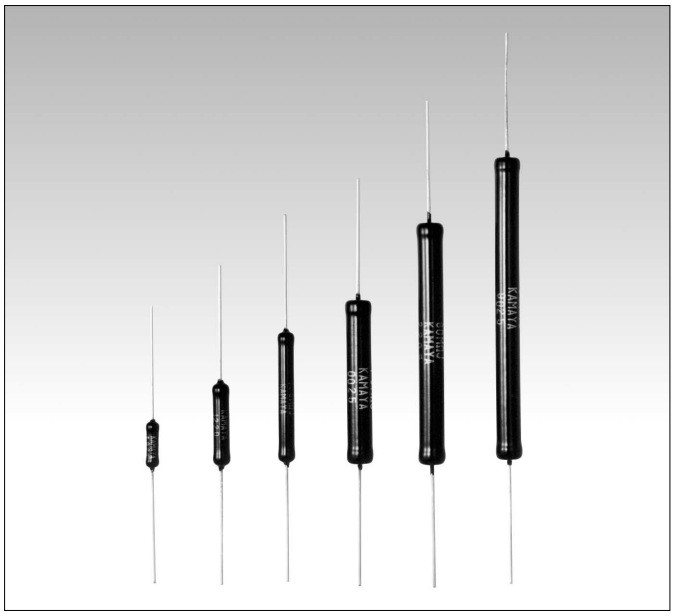
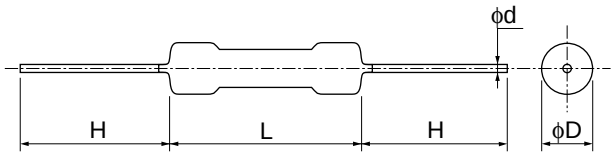
RH1, 2, 3, 4, 6, 8(1M ohm—5,000M ohm)

●Features

1. This product has a low temperature coefficient of resistance and features a choice of 100×10^{-6}/°C (K type) and 200×10^{-6}/°C (D type).
2. Extremely stable characteristics.
3. A wide range of high resistance values available.
4. Various resistance tolerance available.
5. Most suitable resistor for high-tension circuits in which high precision is required for example the physical and chemical measurement equipment, X-ray apparatus, electron microscope and the like.



●Dimensions



*Dimension "L" should be measured between both side of D/2.

Unit : mm

Style	L	D	H	d	*Unit Weight/pc.
RH 1	14.5±1.0	4.0±1.0	38±3	0.8	950mg
RH 2	26.5±1.0	5.0±1.0	38±3	1.0	1,950mg
RH 3	39.0±2.0	5.0±1.0	38±3	1.0	2,410mg
RH 4	52.0±2.0	9.0±1.0	38±3	1.0	6,880mg
RH 6	77.0±2.0	9.0±1.0	38±3	1.0	9,290mg
RH 8	97.0±2.0	9.0±1.0	38±3	1.0	11.46g

*Values for reference

Note : Please contact KAMAYA for the details of marking to the resistance.

●Product Classification

Example

RH	8	D	500M	**J**	B
①Product Type	②Rated Power	③Temperature Coefficient of Resistance	④Rated Resistance	⑤Tolerance on Rated Resistance	⑥Packaging

Style

①Product Type

②Rated power

Code	Rated power
1	1.0W
2	2.0W
3	3.0W
4	4.0W
6	6.0W
8	8.0W

③Temperature Coefficient of Resistance

Code	Temperature Coefficient of Resistance
K	$\pm100\times10^{-6}$/°C
D	$\pm200\times10^{-6}$/°C

④Rated Resistance

Available on demand

e.g: 100M=100M ohm
1G00=1G ohm
10G0=10G ohm
4Digit

⑤Tolerance on Rated Resistance

Code	Tolerance on Rated Resistance
F	±1%
G	±2%
J	±5%
K	±10%

⑥Packaging

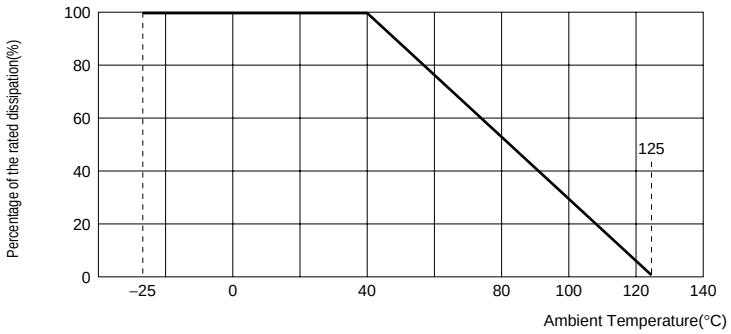
Code	Packaging
B	Bulk

●Ratings

Style	Rated Power W	Maximum Working Voltage kV	Maximum Overload Voltage kV	Pulse Voltage kV	Resistance Range M ohm	Tolerance on Rated Resistance
RH 1	1.0	1.5	4	4	K : 1≤R≤500 D : 500<R≤5,000	F(±1%) G(±2%) J(±5%) K(±10%)
RH 2	2.0	5	12.5	7.5		
RH 3	3.0	10	25	15		
RH 4	4.0	15	30	20		
RH 6	6.0	20	40	30		
RH 8	8.0	30	60	40		

●Derating Curve

The derated values of dissipation at temperature in excess of 40°C shall be as indicated by the following Curve.



●Performance Characteristic

Description		Requirements	Test Method JIS C5202-1990
Resistance		Within specified tolerance	clause 5.1
Temperature Characteristic of resistance		K : T.C.R. within $\pm 100\times10^{-6}$/°C D : T.C.R. within $\pm 200\times10^{-6}$/°C	clause 5.2 Room temp. and 80°C above
Overload		Within ± 1% No major visible damage	clause 5.5 Condition A Rated voltage × 2.5, 5s
Insulation resistance		At least 1,000M ohm	clause 5.6 Condition A 500Vd.c., 60s
Pulse endurance		Within ± 1% No major visible damage	Apply (1.2×50)μs pulse wave 10000 times 10s each. See ratings table for Testing Voltages
Bond Strength of the face plating	Pulling	Lead is not cut Terminal is not loose	clause 6-1-2(1) 25N 10s
	Bending		clause 6-1-4(1) 90°C, opposite directions 5 times
Solderability		At least 3/4 of the dipping surface must be covered by new solder	clause 6.5 260°C 5s
Rapid change of temperature		Within ±1% No major visible damage, legible marking	clause 7.4 −25°C/+85°C for 5 cycles
Humidity (Normal Condition)		Within ±5% No major visible damage	clause 7.5 40°C, 95%R.H. 1000h
Endurance at 70°C		Within ±5% No major visible damage	clause 7.10 Rated voltage 1.5h "ON", 0.5h "OFF", 40°C 1000h

*We have equivalent products for the use in insulating oil. Please contact us for further information.