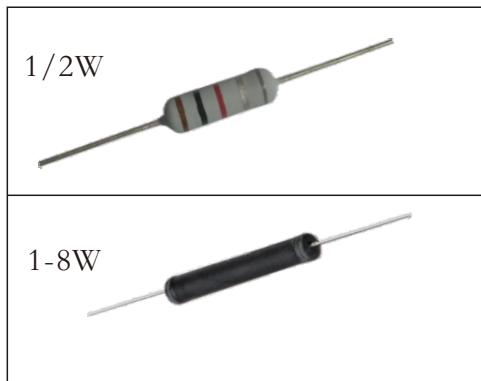
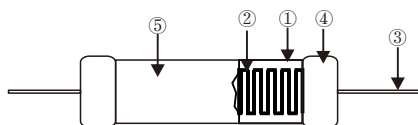




Feature

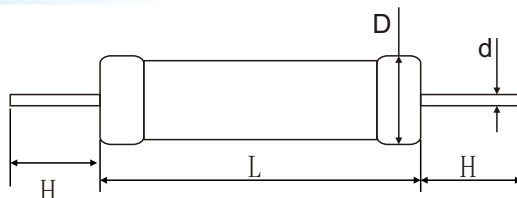
- I. This product has a low temperature coefficient of resistance and features a choice of $100 \times 10^{-6}/^{\circ}\text{C}$ (K type) and $200 \times 10^{-6}/^{\circ}\text{C}$ (D type).
- II. Extremely stable characteristics.
- III. A wide range of high resistance values available.
- IV. Various resistance tolerance available.
- V. 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.

Construction



①	Ceramic core
②	Synthetic resistive film
③	Lead
④	Silver plated brass cap
⑤	Protective coating

Dimensions



Type	Power (W)	Resistance values (MΩ)	Dimensions(mm)			
			L ± 1	D ± 1.0	H ± 3	d ± 0.05
RH	1/2W	$1 \leq R \leq 500$ $500 < R \leq 5,000$	11.0	3.5	25	0.7
	1W		14.5	4.0	38	0.8
	2W		26.5	5.0	38	1.0
	3W		39.0	5.0	38	1.0
	4W		52.0	9.0	38	1.0
	6W		77.0	9.0	38	1.0
	8W		97.0	9.0	38	1.0

Ordering Information

Example:

RH	2W	F	50M	50
(1)	(2)	(3)	(4)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance	TCR

(1) Type: RH SERIES

(2) Power Rating: 05=1/2W, 1=1W, 2=2W, 3=3W, 6=6W.....

(3) Tolerance: F=±1%, G=±2%, J=±5%, K=±10%

(4) Resistance Value: 0R10=0.1Ω, 1R00=1Ω, 30MR0=30MΩ

(5) TCR: ±200~350ppm/°C

● Power And Resistance etc

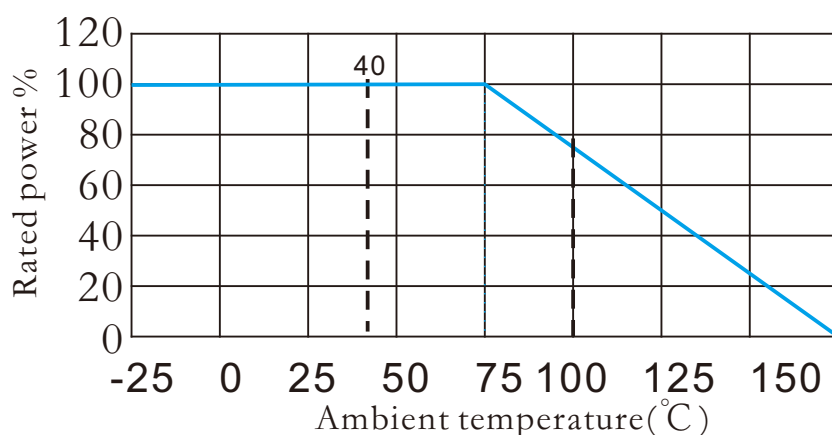
Type	Power (W)	Resistance values (MΩ)	T.C.R (PPM/°C)	Limiting Element Voltage kV	Max Overload Voltage kV	Pulse Voltage kV	Resistance tolerance
RH	1/2W	1 ≤ R ≤ 500 500 < R ≤ 5,000	± 200 ~ ± 350	1.5	4.0	4.0	F(±1%) G(±2%) J(±5%) K(±10%)
	1W			1.5	4.0	4.0	
	2W			5	12.5	7.5	
	3W			10	25	15	
	4W			15	30	20	
	6W			20	40	30	
	8W			30	60	40	

Note1. Rated Voltage = $\sqrt{(\text{Rated Dissipation}) \times (\text{Rated Resistance})}$. (d.c. or a.c. r.m.s. Voltage)

Note2. Limiting Element Voltage can only be applied to resistors when the resistance value is equal to or higher than the critical resistance value.

Note3. Critical Resistance Value is the resistance value at which the rated voltage is equal to the limiting element voltage.

● Derating Curve



● Performance

Test Item	Requirements	Test Method
T.C.R	See Ratings Table	Room temperature and 80°C above.
Overload	Within 1% No major visible damage	Condition A Rated voltage × 2.5, 5s
Insulation resistance	At least 1,000M ohm	Condition A 500Vd.c., 60s
Pulse endurance	Within 1% No major visible damage	Apply (1.2 × 50)μs pulse wave 10,000 times 10s each. See ratings table for pulse Voltage.
Bond Strength of the face plating	Lead is not cut Terminal is not loose	25N, 10s
Solderability	At least 3/4 of the dipping surface must be covered	90°C, opposite directions 5 times. 260°C, 5s
	by new solder	
Rapid change of temperature	Within 1% No major visible damage, legible marking	-25°C / +85°C for 5 cycles
Humidity (Normal Condition)	Within 5% No major visible damage	40°C 95% R.H., 1,000h.
Endurance at 70° C	Within 5% No major visible damage	Rated voltage, 1.5h "ON", 0.5h "OFF", 40°C 1,000h.