

RHW series

Metal Clad Resistor



- Excellent Short Time Overload.
- Excellent Mechanical Thermal Strength At A High Temperature.
- Excellent Long Time Stability.
- Excellent Electrical Requirement.
- Available Inductive Type(RHW Series), None Inductive Type (RHN Series)
- Suitable For Chassis Mounting To Increase Cooling Effect
- Complete Welded Construction

■ SPECIFICATIONS

ITEM	SPECIFICATION LIMITS	
Temperature Range		-55℃ ~ +200℃
Insulation Resistance		20MΩ Minimum
Dielectric Strength		AC500V , AC1500V for 1min (Max 2mA)
Temperature Coefficient		Max ±260ppm/℃
Shot Time Over Load	±(2.0% +0.05Ω)	5x Power rating, 5sec
Moisture Resistance	±(2.0% +0.05Ω)	40℃ / RH95% Hours ,DC 100V Case to Terminal
Terminal Strength	±(3.0% +0.05Ω)	Poewr Rating 30min, -25℃ 15Min
Vibration	±(0.2% +0.05Ω)	10c/s ~ 55c/s ~10c/s (1min) -2hr each of paralld and right angle
Moisture Load Life	±(2.0% +0.05Ω)	40℃ / RH95% Power Rating x 0.1, 1.5 Hours On, 0.5 Hours Off for 500 Hours
Load Life	±(1.0% +0.05Ω)	Power rating 1.5 Hours on, 30 min Off 1000 Hours

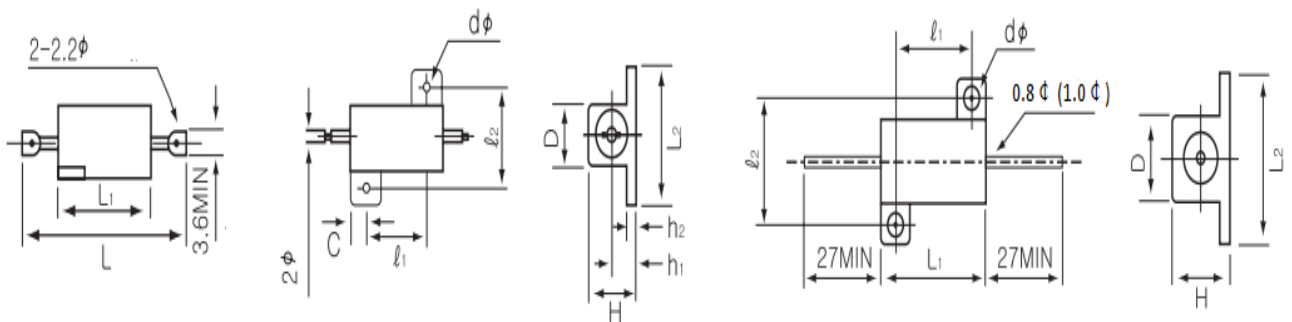
■ RATINGS

TYPE	Power Rating		Resistance Range		Resistance Tolerance	Max. Working Voltage	
	Chassis Mounted	Free Air	Inductive	Non-Inductive		Inductive Type	Non-Inductive
RH 5	5	3	0.1-1K	0.1-1K	$\pm 0.5\%(D)$ $\pm 1\%(F)$ $\pm 2\%(G)$ $\pm 5\%(J)$	120	70
RH 10	10	6	0.1-6K	0.1-2.3K		245	180
RH 25	20	8	0.1-15K	0.1-5.5K		500	300
RH 50	30	10	0.1-40K	0.1-2K		1300	600

•30W on heat sink(178x127x51x1 m/m)

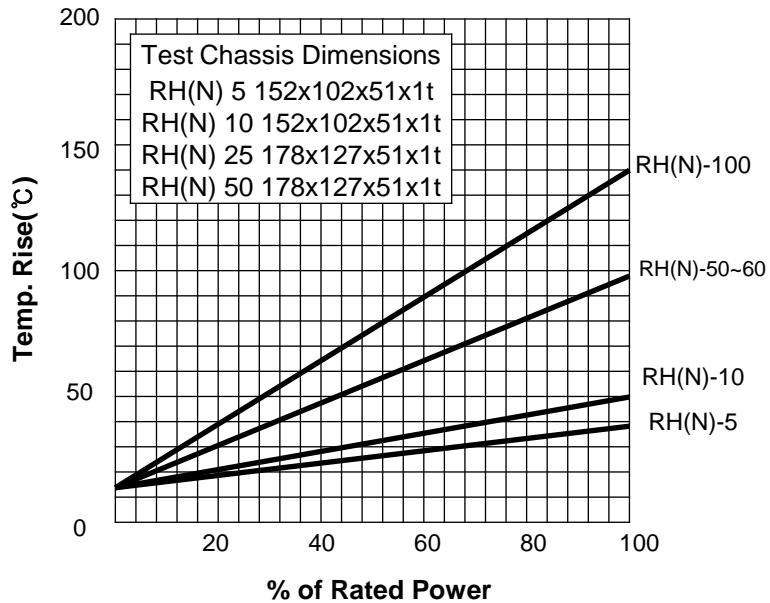
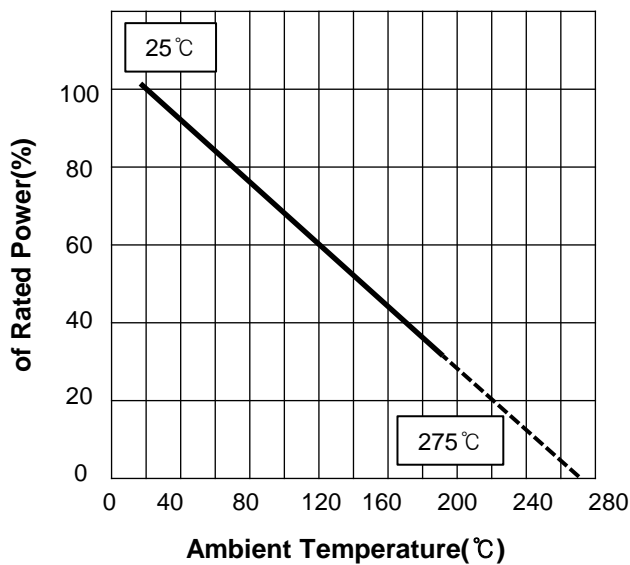
•50W on heat sink(305x305x2 m/m)

■ DIMENSIONS



TYPE	Dimensions(mm)										
	L	$L_1 \pm 1$	$L_2 \pm 0.8$	$\text{φ}_1 \pm 0.8$	$\text{φ}_2 \pm 0.8$	$D \pm 1$	$H \pm 0.8$	$d \pm 0.3$	$c \pm 0.8$	$h_1 \pm 1$	$h_2 \pm 1$
RH 5	29	15.3	16.4	11.3	12.5	8.5	9	2.3	2	4	1.6
RH 10	35	19	20	14.3	15.9	10.8	10.5	2.3	2.4	5.3	2.4
RH 25	49	27	29	18.5	21	14	16	3.2	4.4	8	2.5
RH 50	71	49.2	29	39.7	21	14	16	3.2	4.8	8	2.5
RH 60	82	60	22	50	17	14	16	4.1	5.5	8	2.5
RH 100	182	160	22	150	17	14	16	4.1	5	8	2.5

■ DERATING CURVES



1. This RH series is designed for chassis mounting style and note the followings.

- (1) In order to mount the resistor tightly to chassis, mounting surface should be completely smooth.
- (2) On the mounting surface, paint flatly the well temperature conductive material like the radiant heat

■ HOW TO ORDER

RH	W/N	50Ω	J	A
TYPE	WINDING METHOD W: Inductive Type N: Non- Inductive Type	NOMINAL RESISTANCE	RESISTANCE TOLERANCE	TERMINAL A : Axial Lead T : Terminal