

# HRW series

## High Power Wire wound Resistors

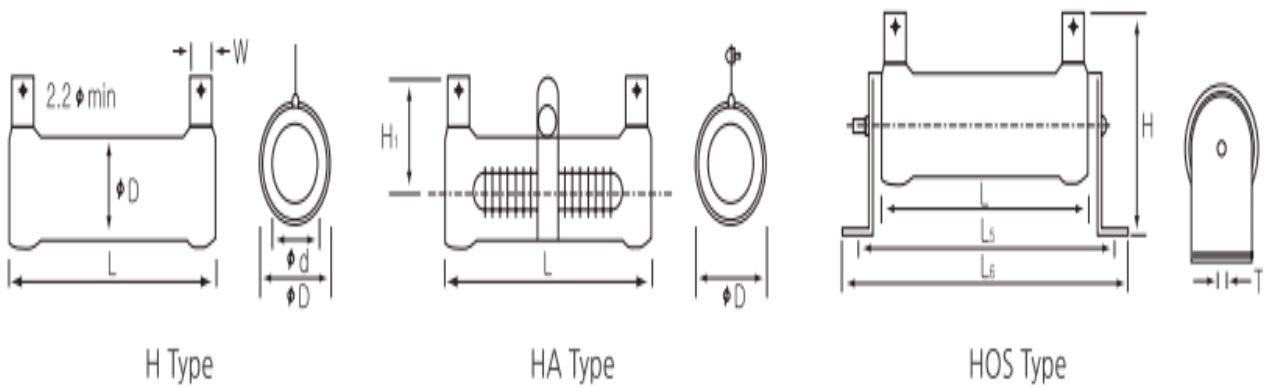


- Heat Resistant Insulation Coating
- Excellent Stability In Operation
- Suitable For Both Continuous High Power And Short Time Overload
- Fixed, Adjustable, Or Tapped Styles Are Available
- Standard Winding & Non-Inductive Winding
- Shock Resistance
- Fast Heat Dissipation
- Easy Mounting

### ■ SPECIFICATIONS

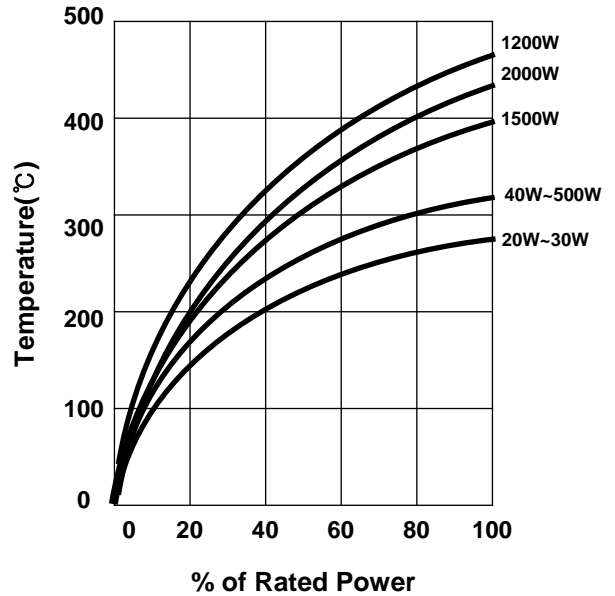
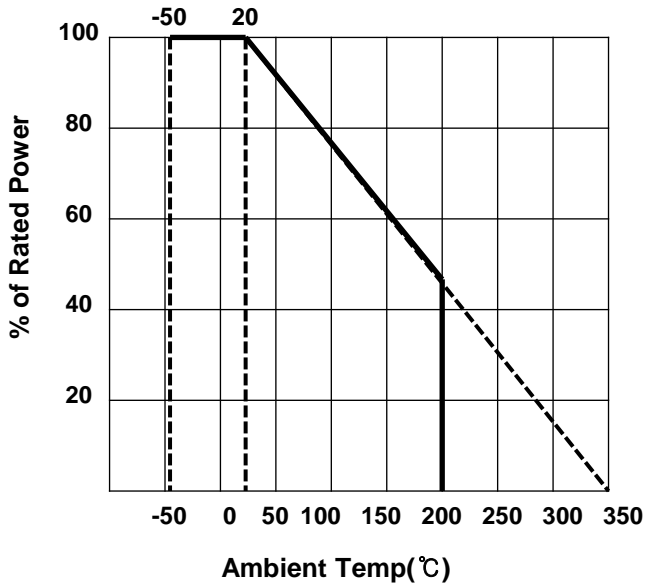
ITEM	SPECIFICATION LIMITS	
Power Rating Load	$\pm[1\%+0.05\Omega]$	(JIS-C-5202, 5-4) 350°C maximum
Short time Overload	$\pm[2\%+0.05\Omega]$	1000% rated power 5 seconds
Insulation Resistance		100MQ minimum, DC 500V
Dielectric Withstanding Voltage		AC 1500V 1 minute
Terminal Strength		6kgf - 30seconds
Vibration		10~55Hz/1 minute, X,Y,Z 2hours each direction
Solderability	75% coverage minimum	270°C 5 seconds
Heat Resistance		350°C 2 hours
Thermal Shock	$\pm [2\%+0.05\Omega]$	Power rating load 30minutes, -55°C 15minutes
Humidity (Steady State)	$\pm[2\%+0.05\Omega]$ , 10MQ minimum	40°C, 95% RH, DC100V 500 hours
Moisture Load Life	$\pm[2\%+0.05\Omega]$	0.1 x Power rating, 90minutes on, 30 minutes off, A0°C, 95% RH, 500 hours
Load Life	$\pm[10\%+0.05\Omega]$	Power rating, 90 minutes on, 30 minutes off, 500 hours

## ■ RATINGS AND DIMENSIONS



MODEL	Power Rating	Resistance		Dimensions (mm)±2								
		Standard	HA Type	L	ØD	Ød	H1	L5	L6	T	W	H
H Type	HRW 20	1~10K	4K	50	17	8.5	20	75	90	4.2	5	41
	HRW 30	1~10K	4K	75	17	8.5	20	105	115	4.2	5	41
	HRW 40	1~27K	5K	90	17	8.5	20	115	130	4.2	5	41
	HRW 50	1~30K	5K	75	28	14	33	110	133	6	8	62
	HRW 60	1~40K	7K	90	28	14	33	128	148	6	8	62
	HRW 80	2~56K	7K	115	28	14	33	150	173	6	8	62
	HRW 100	2.5~68K	12K	140	28	14	33	175	198	6	8	62
	HRW 120	3.0~82K	15K	165	28	14	33	200	221	6	8	62
HA Type	HRW 150	4.0~100K	18K	195	28	14	33	230	253	6	8	62
	HRW 200	5.0~130K	24K	254	28	14	33	290	313	6	8	62
	HRW 300	8.0~200K	33K	254	42	24	45	300	330	6.5	12	86
	HRW 400	10~280K	34K	330	42	24	45	380	407	6.5	12	86
	HRW 500	10~300K	40K	330	52	29	57	345	362	6.5	15	99
	HRW 600	10~320K	40K	330	52	29	57	375	392	6.5	15	99
HOS Type	HRW 800	10~350K	40K	330	65	46	65	385	404	10	20	126
	HRW 1000	10~400K	40K	330	77	47	71	388	408	10	20	130
	HRW 1200	10~500K	40K	380	77	47	71	438	458	10	20	130
	HRW 1500	10~600K	40K	420	77	47	71	478	498	10	20	130
	HRW 2000	10~700K	40K	500	77	47	71	558	578	10	20	130

## ■ SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD & DERATING CURVES



## ■ HOW TO ORDER

<b>HRW</b>	<b>100W</b>	<b>W/N</b>	<b>100Ω</b>	<b>J</b>
TYPE	POWER RATING	WINDING METHOD W: Inductive Type N: Non- Inductive Type	NOMINAL RESISTANCE	RESISTANCE TOLERANCE

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