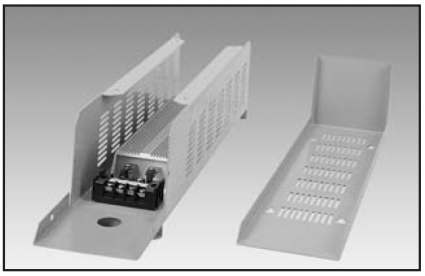
Resistor Assemblies

The RA series of power, metal clad, wire wound resistors are designed for use in power inverters. The basis for these models is an IRH or IRV resistor surrounded by a metal case, which conforms to international safety specifications.

GENERAL SPECIFICATIONS

Model	Resistor Type Inside	Power Rating in Free Air	Resistance Range[Ω]		Resistance Tolerance [%]
			Inductive	Non-Inductive	
RA080	IRH80	80W	0.1 ~ 910	0.1 ~ 110	
RA100	IRH100	90W	0.1 ~ 1.1K	0.1 ~ 240	
RA200	IRH200	140W	0.1 ~ 2.2K	0.1 ~ 1K	
RA300	IRH300	210W	0.1 ~ 2.7K	0.1 ~ 1.5K	
RA400	IRH400	240W	0.1 ~ 4.3K	0.1 ~ 2.2K	D [±0.5]
RA500	IRH500	300W	0.1 ~ 6.8K	0.1 ~ 3K	F [±1.0]
RA600	IRV600	320W	0.1 ~ 94	0.1 ~ 23	G [±2.0]
RA800	IRV800	360W	0.1 ~ 112	0.1 ~ 28	J [±5.0]
RA1000	IRV1000	400W	0.1 ~ 140	0.1 ~ 36	K [±10]
RA1200	IRV1200	420W	0.1 ~ 160	0.1 ~ 48	
RA1600	IRM1600	570W	1.5 ~ 88	0.3 ~ 23	
RA2000	IRM2000	650W	2.0 ~ 113	0.45 ~ 30.5	
RA2400	IRM2400	720W	2.5 ~ 144	0.6 ~ 37	
RA2800	IRM2800	750W	3.0 ~ 135	0.7 ~ 33.5	



CHARACTERISTICS

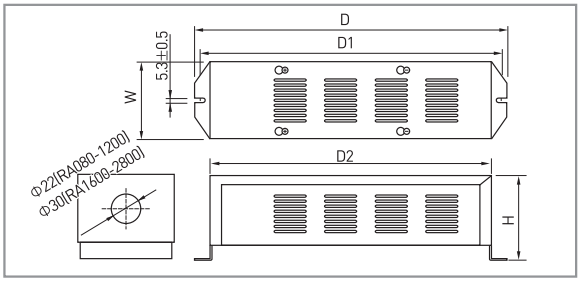
Values in [ ] mean change in Ω after test

Temperature Range		-55℃ ~ +200℃
Insulation Resistance		20MΩ minimum
Dielectric Withstanding Voltage		Available options: AC1500V, 3500V, 4500V, 5400V for 1min.; Max. leakage current: 2mA
Temperature Coefficient		±260ppm/℃ maximum
Short Time Overload	±[2%+0.05Ω]	10 x Power rating 5 seconds
Moisture Resistance	±[3%+0.05Ω]	40℃, 95% RH, DC100V case to terminal, 500 hours
Thermal Shock	±[2%+0.05Ω]	Power rating 30 minutes, -25℃, 15 minutes

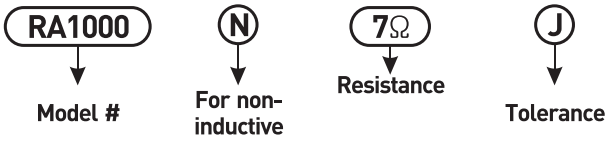
DIMENSIONS [mm]

Model	Weight [g]	Dimensions [mm]				
		W±5	H±3	D±5	D1±2	D2±5
RA080	980	78.5	67	254	240	224
RA100	1000	78.5	67	254	240	224
RA200	2415	93.5	105	440	425	410
RA300	2530	93.5	105	440	425	410
RA400	2700	93.5	105	440	425	410
RA500	2920	93.5	105	440	425	410
RA600	3095	93.5	105	440	425	410
RA800	3430	93.5	105	440	425	410
RA1000	3725	93.5	105	440	425	410
RA1200	4194	93.5	105	510	496	480
RA1600	5900	93.5	147	615	600	585
RA2000	6500	93.5	147	615	600	585
RA2400	7100	93.5	147	615	600	585
RA2800	8280	93.5	147	685	670	655

DIMENSIONS [mm]



ORDERING PROCEDURE EXAMPLE



These models come with multiple conduit knockouts for easy wiring.
The enclosure is well ventilated and meets international safety specs.