



**黃金鋁殼功率型繞線電阻**  
**Aluminum Housed**

**AH/BH/CH Series**  
**Wirewound Power Resistor**

**FEATURE**

- ◆ High power rating
- ◆ Small and ultra precision
- ◆ Standard winding & non-inductive winding types.
- ◆ High stability strong construction.
- ◆ Suitable for vehicle

**GENERAL SPECIFICATION**

- ◆ Wattage range 6 styles to choose range from 5 to 250 wstts
- ◆ Resistance tolerance: ±1%; ±2; ±5%; ±10%.
- ◆ Operating temperature range: -55°C to +275°C
- ◆ Dielectric strength : AH – Series Working Voltage : 250V
- ◆ Temperature coefficient of resistance  
Standard T.C.:±30ppm/°C = 10Ω and up; ±50ppm/°C=1 to 10Ω,  
±100ppm/°C = below >1Ω.

Figure



**ORDERING**

Example: AH50101FE (50W 100R ±1%)

Type	Power	Resistance	Tolerance	±ppm/°C	Package	Figure
AH05	5W	R100 =0.1Ω	F = ±1% G = ±2% J = ±5% K = ±10%	C=±25 D=±50 E=±100 K=±150 F=±200 G=±300	Bulk	Fig-2
AH10	10W	1R0 =1Ω				
AH25	25W	100 =10Ω				
AH50	50W	101 =100Ω				
BH75	75W	102 =1KΩ				
BH100	100W	103 =10KΩ				
CH200	200W	104 =100KΩ				
CH250	250W					Fig-3
CH300	300W					Fig-4

**TECHNICAL SPECIFICATION**

Type	Power	Resistance Range (Ω)		Tolerance	Temperature coefficient of Resistance			Operating Tem. Range	Figure
		Standard	Maximum		±30ppm/°C	±50ppm/°C	±100ppm/°C		
AH05	5W	0.1 ~ 2K7	50K	D,F,H,J,K	>10R Ω	>1Ω~9.9Ω	0.1Ω~1Ω	-55 to +250°C	Fig-2
AH10	10W	0.1 ~ 3K3	50K						
AH25	25W	0.1 ~ 5K1	100K						
AH35	35W	0.1 ~ 10K	100K						
AH50	50W	0.1 ~ 51K	100K						
BH75	75W	0.1 ~ 62K	100K						
BH100	100W	0.1 ~ 3K0	100K						
CH200	200W	0.1 ~ 3K0	75K						
CH250	250W	0.1 ~ 3K0	75K						
CH300	300W	0.1 ~ 3K0	75K						

**ELECTRICAL SPECIFICATION**

CHARACTERISTICS	LIMIT	TEST METHODS
Resistance Tolerance	Resistance 1Ω ≤ R ±5%; Tolerance:1Ω ≤ R ±10%;	JIS-C-5202 5-1
Temperature Coefficient	±200ppm/°C Max.	JIS-C-5202 5-2b
Power Rating Load	ΔR/R ≤ ± (1% +0.05Ω) Surface Temp Rise 350°C Max.	JIS-C-5202 5-4
Short-Time Overload	ΔR/R ≤ ± (2% +0.05Ω) 100% Rated Power 5 Seconds	JIS-C-5202 5-6
Insulation Resistance	DC500V 100MQ. min	JIS-C-5202 5-6
Dielectric Withstanding Voltage	AC3KV 60 Sec	JIS-C-5202 5-7



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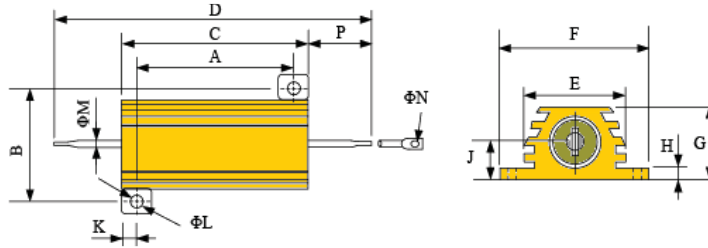
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Wirewound Power Resistor

☐ DIMENSION

Type	Dimensions (mm)													
	A	B	C	D	E	F	G	H	J	K	L	M	N	p
AH05	11.3±1.2	12.7±1.2	15.5±2.5	29.1±2.5	9.0±1.5	16.9±1.5	8.6±1.5	1.9±1.0	4.0±1.2	2.2±1.0	2.7±0.8	1.8±0.8	1.5±0.5	6.9±1.0
AH10	14.5±1.2	16.2±1.2	19.5±2.5	35.4±2.5	10.2±1.5	20.8±1.5	10.4±1.5	2.1±1.0	4.4±1.2	2.4±1.0	2.7±0.8	2.3±0.8	2.5±0.5	8.15±1.0
AH25	18.5±1.2	20.0±1.2	27.5±2.5	49.7±2.5	14.5±1.5	27.9±1.5	14.4±1.5	2.1±1.0	6.1±1.2	2.6±1.0	3.5±0.8	1.3±0.8	2.5±0.5	11.3±1.0
AH35	18.5±1.2	20.0±1.2	27.5±2.5	49.7±2.5	14.5±1.5	27.9±1.5	14.4±1.5	2.1±1.0	6.1±1.2	2.6±1.0	3.5±0.8	1.3±0.8	2.5±0.5	11.3±1.0
AH50	40.5±1.5	21.5±1.3	50.5±2.5	71.1±2.5	16.5±1.5	29.5±1.5	15.9±1.5	2.3±1.0	6.8±1.2	5.2±1.0	3.5±0.8	2.3±0.8	2.5±0.5	10.5±1.0

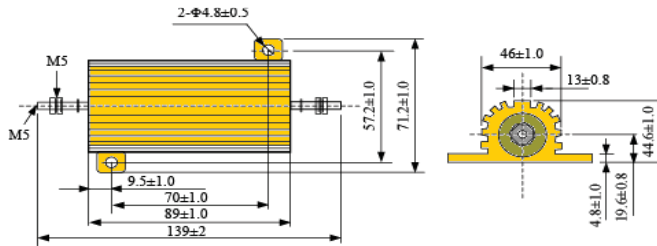
Dimension Fig-2

AH05  
AH10  
AH25  
AH35  
AH50



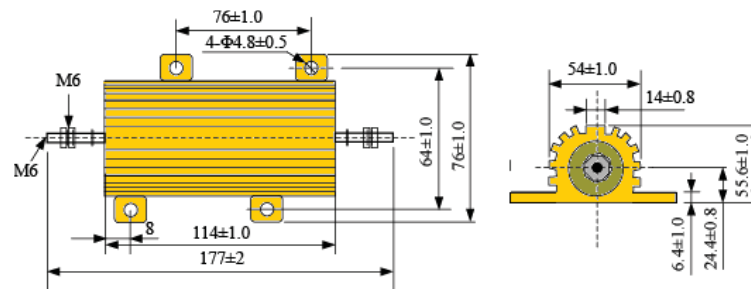
Dimension Fig-3

BH75  
BH100



Dimension Fig-3

CH200  
CH250  
CH300



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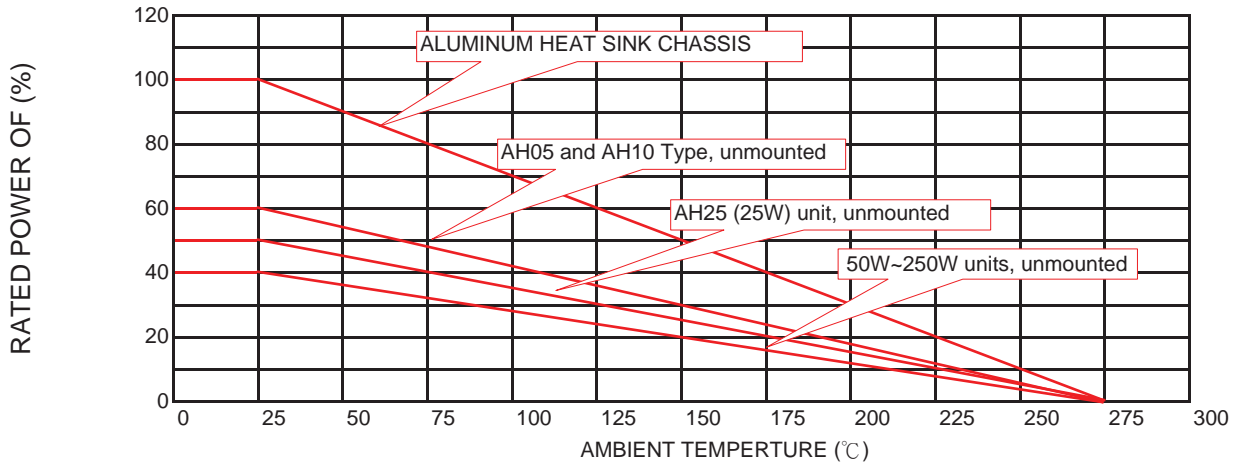


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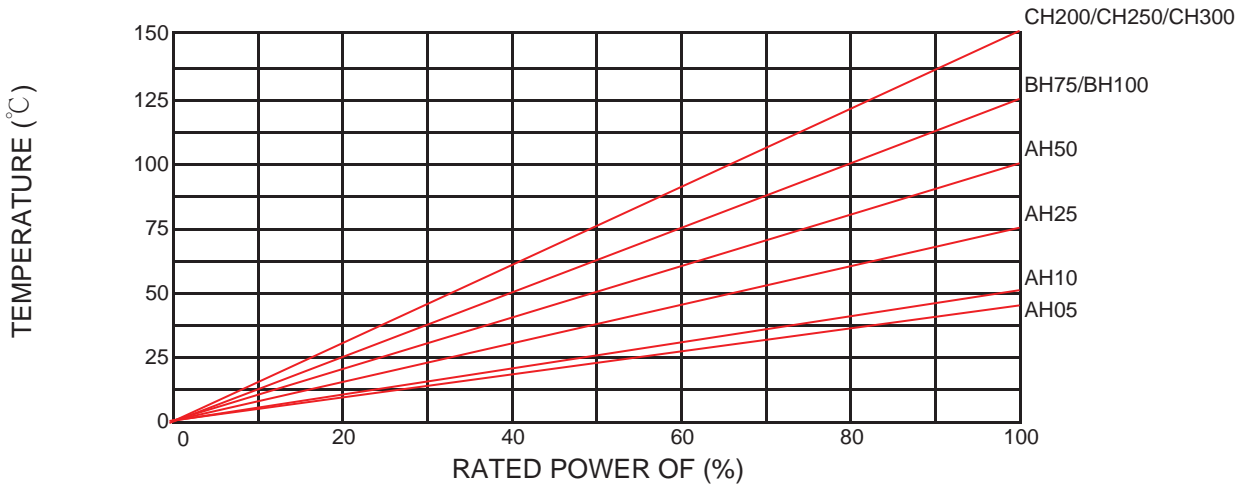
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□ AMBIENT TEMPERATURE DERATING

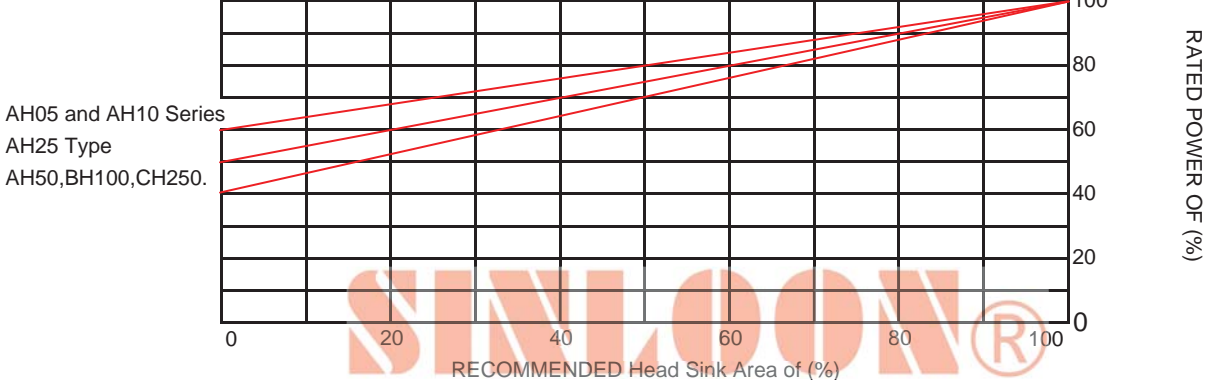
◆ Rated Power Curve 金屬殼表面溫度與功率負載(散熱體) 曲線圖



◆ Temperature Curve 金屬殼環境溫度(散熱)降額曲線圖



◆ Heat Sink Curve 金屬殼散熱體降額曲線圖



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