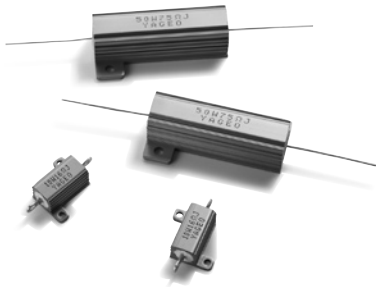


Aluminum Housed
Resistors

Power Wirewound Type

Lug / Threaded Style [AHA Series]
Straight Leadwire Style [AHP Series]

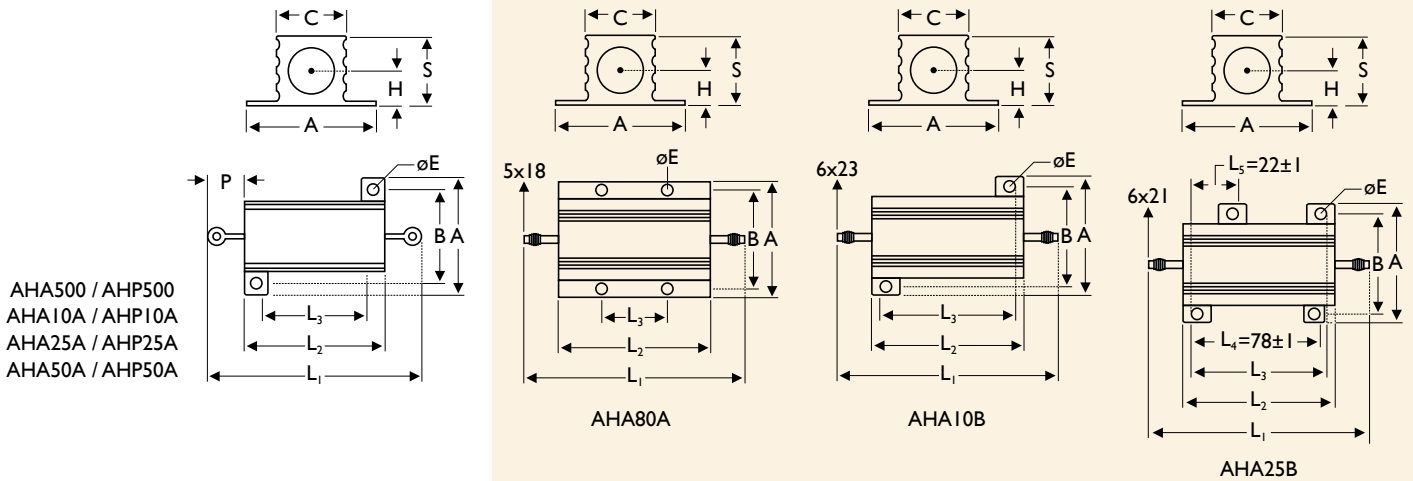


FEATURES

Power Rating	5W, 10W, 25W, 50W, 80W, 100W, 250W
Resistance Tolerance	±0.25%, ±0.5%, ±1%, ±5%, ±10%
T.C.R.	±200ppm/°C

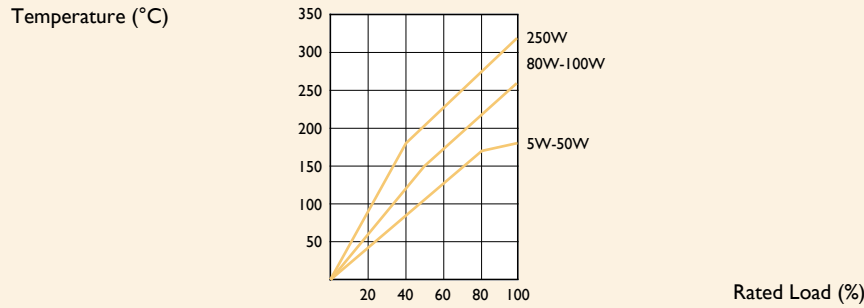
DIMENSIONS

Unit: mm



STYLE	DIMENSION									
	L ₁	L ₂	L ₃	A	B	C	øE	S	H	P
Normal										
AHA500 / AHP500	25±2	15±1	10±1	16.5±1	12.5±1	8.5±1	2±0.3	8±1	4±0.5	5±2
AHA10A / AHP10A	32±2	19±1	14±1	20±1	15.5±1	10.5±1	2±0.3	10±1	5±0.5	6±2
AHA25A / AHP25A	47±2	27±1	18±1	27±1	19±1	15±1	3.2±0.3	15.5±1	7±0.5	10±2
AHA50A / AHP50A	70±2	50±1	39±1	29±1	21±1	15±1	3.2±0.3	15.5±1	7±0.5	10±2
AHA80A	102±2	66±1	35±1	47±1	37±1	28±1	4.5±0.3	25±1	12±0.5	-
AHA10B	135±2	89±1	69±1	70±1	48±1	46±1	5±0.3	44.5±1	19.5±0.5	-
AHA25B	155±2	114±1	98±1	77±1	64±1	53±1	5±0.3	55.5±1	25±0.5	-

TEMPERATURE RISE



ELECTRICAL CHARACTERISTICS

STYLE	AHA500 AHP500	AHA10A AHP10A	AHA25A AHP25A	AHA50A AHP50A	AHA80A	AHA10B	AHA25B
Power Rating at 70°C	5W	10W	25W	50W	80W	100W	250W
Voltage Proof	1,000V			2,000V		4,500V	
Resistance Range	0.1 Ω - 100 Ω				0.1 Ω - 3K Ω		
Operating Temp. Range	-55°C to +250°C						
Temperature Coefficient	±200ppm/°C						

Note: Special value is available on request.

ENVIRONMENTAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD		APPRAISE
Short Time Overload	IEC 60115-1 4.13	2.5 times RCWV for 5 Sec.	±0.5%+0.05 Ω
Voltage Proof	IEC 60115-1 4.7	in V-block for 60 Sec., test voltage by type	By type
Temperature Coefficient	IEC 60115-1 4.8	-55°C to +250°C	By type
Insulation Resistance	IEC 60115-1 4.6	in V-block for 60 Sec.	>100M Ω
Solderability	IEC 60115-1 4.17	235±5°C for 3±0.5 Sec.	95% Min. coverage
Solvent Resistance of Marking	IEC 60115-1 4.30	IPA for 5±0.5 Min. with ultrasonic	No deterioration of coatings and markings
Robustness of Terminations	IEC 60115-1 4.16	Pull test (30 Sec. Min): 5W: 1kg, 10W: 2.3kg, 25 - 50W: 4.5kg Torque test (5 - 15 Sec): 80W: 2N, 100W: 2.7N, 250W: 3.7N	±0.2%+0.05 Ω
Damp Heat Steady State	IEC 60115-1 4.24	40±2°C, 90-95% RH for 56 days, loaded with 0.1 times RCWV	±0.5%+0.05 Ω
Endurance at 70°C	IEC 60115-1 4.25	70±2°C at RCWV for 1,000 Hr. (1.5 Hr. on, 0.5 Hr. off)	±1.5%+0.05 Ω
Temperature Cycling	IEC 60115-1 4.19	-55°C ⇌ Room Temp. ⇌ +155°C ⇌ Room Temp. (5 cycles)	±1.0%+0.05 Ω
Resistance to Soldering Heat	IEC 60115-1 4.18	260±3°C for 10±1 Sec., immersed to a point 3±0.5mm from the body	±1.0%+0.05 Ω

Note: Rated Continuous Working Voltage (RCWV) = $\sqrt{\text{Power Rating} \times \text{Resistance Value}}$