THUNDER®

鋁殼型繞線電阻器
ALUMINUM HOUSED WIRE WOUND RESISTORS

AH

PRECISION POWR RESISTORS
Aluminum Housed (Chassis Mount)

FEATURE:

- Highpower rating, smallsizeandultraprecision
- Standardwinding&non-inductivewindingtypes.
- Highstability, strongconstruction.

GENERAL SPEC:

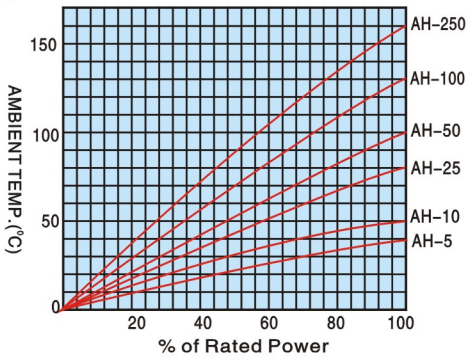
WattageRange:6stylestochooserangingfrom 5to250watts.
ResistanceTlolerance:10%, 5%, 3%, 2%, 1%, , 0.5%
OperatingTemperatureRange:-55%to+275'c
DielectricStrength:AH-5AH-10AH-251000VAH-50 1500VAH-100AH-2502500V

TemperatureCoefficientofResistance:StandardT.C.: ±20PPM~±250PPM

STANDARD ELECTRICAL SPEC.

Type	MIL Style	Wartage Rating	Resistance Range (Ω) AN Inauctive	Resistance Range (Ω) AHN Norrductie	MAX Wcring (V) AH	MAX Wcring (V) AHN	(g) MAX Weight	Properheatsink (aluminumctassis)
AH- 5	RE60	5	0.05 -3k	0.1 -1 k	120	70	3	152X102X51Xlt
AH-10	RE65	10	0.02 -6k	0.03-2.3k	245	180	7	152X102X51Xlt
AH-25	RE70	25	0.012-15k	0.02-5.5k	500	300	15	178X127X51Xlt
AH-50	RE75	50	0.01 -40k	0.02-12 k	1300	500	33	305X305X1.5t
AH-100	RE77	100	0.4 -50k	0.12~25 k	1900	1340	450	305X305X3t
AH-250	RE80	250	0.6 -80k	0.15-40 k	2500	1750	800	305X305X3t

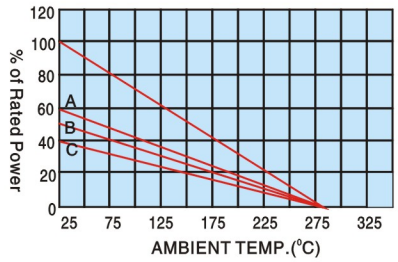
SURFACE TEMPERATURE VERSUS POWER LOAD (on Chassls)



PERFORMANCE

Parameters	Test Conaitions	Specifications
Short T1me Orer Loed	5Xmattage rating • Ssec.	△R±(0.5X+0.05Ω) MAX
MOisture Resistance	tenp 40℃ moisture 95:0C100v5COHr	△R±(0.5X+0.05Ω) MAX
MOisture Load Life	tenp 40℃ moisture 95:1/10 X wattage fating (1.5Hr ON-0.5Hr CFF) • Repeat 1000Hr	△R±(0.5X+0.05Ω) MAX
Load Life	Load Rating (Chassis mounted) (1.5Hr ON 0.5Hr OFF) Repeat 1C00Hr	△R±(1.5X+0.05Ω) MAX
V10ratton	10c/s-50c/s-10c/s (1min)-2Hr each of Paral leled and r ight angle	△R±(0.5X+0.05Ω) MAX
Heat Resistance	275℃ 2Hr	△R±(0.5X+0.05Ω) MAX
Dielectric Strength	AH-5 AH-10 AH-25 1000V AH-50 1500V AH-100 AH-250 2500V	△R±(0.2X+0.05Ω) MAX
Ensulatlon Resistance	Under the same test condition of Dielectric Strength. load DC5DCV and neasure the Insulation R.	1000MΩmin
Tern1na1 Strength	(1) Pull Test (30 sec Nin) AH-51kg. AH-102.3kg. AH-25. AH-504.5kg (2) Torque Test (5~15sec) AH-10027kg • cm. AH-25036kg-cm	△R±(0.2X+0.05Ω) MAX

DERATING



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A-S&10watluris. unmourdcd.
B-25watl. unis. umounted
C-50. 100&250watlunas. unmouncd

Materials:

Encapsulant:Silicone
Endcaps:Stainlesssteel
Core:Ceramicsteatiteoralumina
Housing:Aluminumwithhardanodiccoating
Element:Copper-nickelalloy, nickel-chromealloyor manganesecopper
StandardTenminals:5~50WTinnedterminals 100~250WThreadedterminals

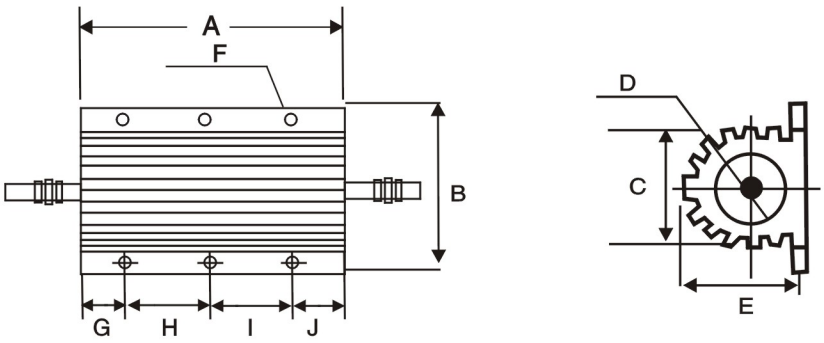
HOW TO ORDER

AH50	20Ω	D
Type	Resstence	Toleranc

Reslstance Tolerance

D	±0.5 I
F	± 1 I
G	± 2 I
H	± 3 I
J	± 5 I
K	± 10 I

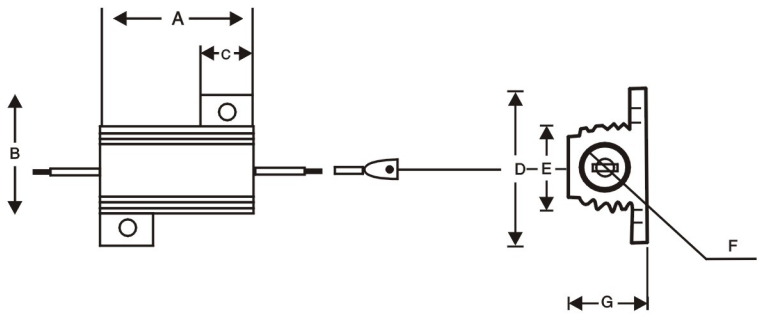
DIMENSIONS
AH-75-300
AHN-75-300



CHINA TYPE

TYPE	DIMENSIONS (mm)									
	A±1	B±1	C±0.5	D±0.5	E±0.5	F	G	H	I	J
AH-75 AHN-75	67	48	22	17	26	4	16	TWO HOLES		16
AH-100 AHN-100	98	48	22	17	26	6	14	35	35	14
AH-150 AHN-150	136	48	22	17	26	6	12	56	56	12
AH-200 AHN-200	155	48	22	17	26	6	12.5	65	65	12.5
AH-250 AHN-250	170	48	22	17	26	6	20	65	65	20
AH-300 AHN-300	128	72	45	32	41	6	12	52	52	12
AH-500 AHN-500	200	72	45	32	41	6	12	52	52	12

DIMENSIONS
AH-5 AH-10
AHN-5 AHN-10
AH-25 AH-50
AHN-25 AHN-50



CHINA & TAIWAN
SAME TYPE

TYPE	DIMENSIONS (mm)						
	A±1	B±0.5	C±0.5	D±1	E±0.5	F	G
AH-5 AHN-5	15	13	4	17	9.5	6	8
AH-10 AHN-10	20	17	6	23	10.5	7.5	10.5
AH-25 AHN-25	28	21	10	27	13	10	14
AH-50 AHN-50	50	23	10.5	29.5	15	11	15.5