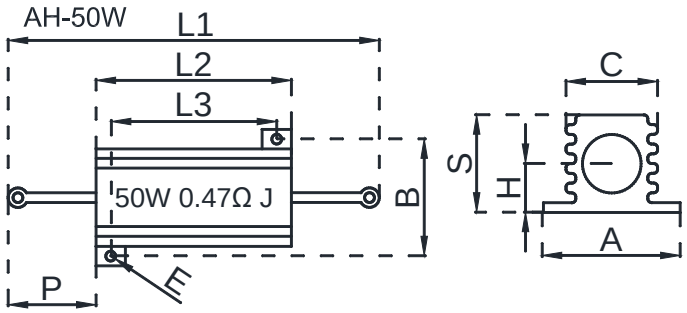
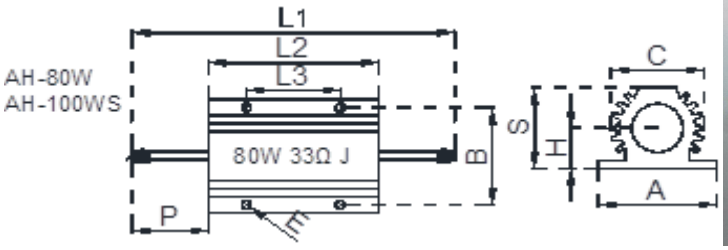
● PRODUCT FEATURES：

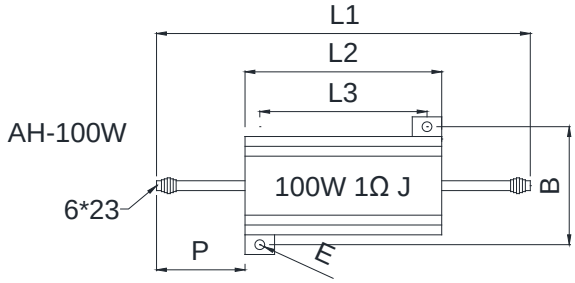
1. High power rating ,small size and ultra precision.
2. Standard winding &non-inductive winding types.
3. High stability ,strong construction.
4. RoHS compliant



Type	DIMENSIONS(mm)										Resistance
	L1±3	L2±1	L3±1	A±1	B±1	C±1	E±0.3	S±1	H±0.5	P±2	Range
5W	25	15	10	16.5	12.5	8.5	2	8	4	5	0.1Ω~50K
10W	32	19	14	20	15.5	10.5	2	10	5	6	0.1Ω~50K
25W	47	27	18	29	21	15	3.6	15.5	7	10	0.1Ω~100K
50W	70	50	39	29	21	15	3.6	15.5	7	10	0.1Ω~100K
75W	95	75	39	29	21	15	3.6	15.5	7	10	0.1Ω~100K

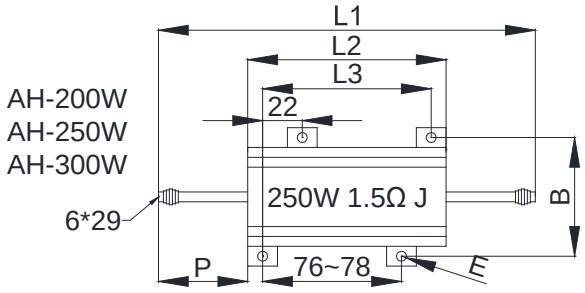


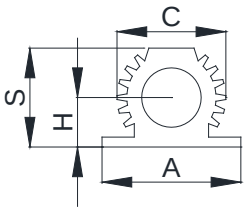
Type	DIMENSIONS(mm)										Resistance
	L1±3	L2±1	L3±1	A±1	B±1	C±1	E±0.3	S±1	H±0.5	P±2	Range
80W	102	66	35	47	37	28	4.5	25	12	5*18	0.1Ω~100K
100WB	135	97	58	47	37	29	4.5	25	12	5*18	0.1Ω~100K
100WS	102	66	35	47	37	28	4.5	25	12	5*18	0.1Ω~100K
150W	133	97	35	47	37	28	4.5	25	12	5*18	0.1Ω~100K



Non inductive Gold Aluminum Housed Wire Wound Resistors

Type	DIMENSIONS(mm)										Resistance
	L1±3	L2±1	L3±1	A±1	B±1	C±1	E±0.3	S±1	H±0.5	P±2	Range
100W	135	89	69	70	58	46	5	44.5	19.5	6*23	0.1Ω~3K





Type	DIMENSIONS(mm)										Resistance
	L1±3	L2±1	L3±1	A±1	B±1	C±1	E±0.3	S±1	H±0.5	P±2	Range
200W	175	114	98	77	64	53	5	55.5	25	6*29	0.1Ω~3K
250W	175	114	98	77	64	53	5	55.5	25	6*29	0.1Ω~3K
300W	175	114	98	77	64	53	5	55.5	25	6*29	0.1Ω~3K

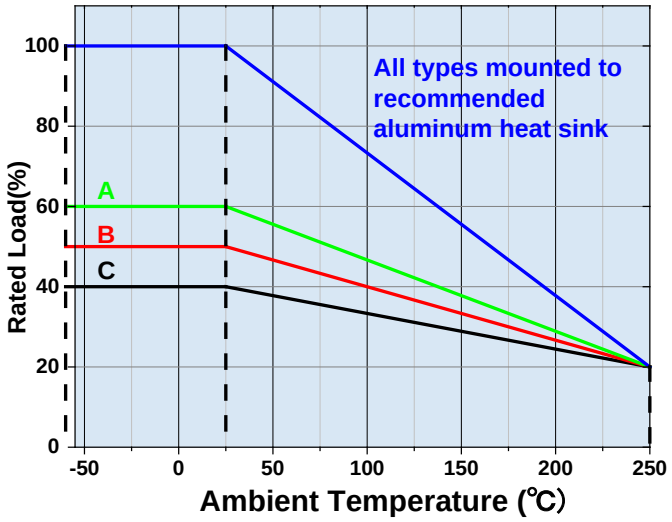
Technical Specifications					
Type		5W	10W	25W	50W
Power Rating Chassis Mounted Resistors 420cm^2 for 5W and 10W 540cm^2 for 25W and 50W	25℃	10W	12.5W	25W	50W
	70℃	8W	10W	20W	40W
Unmounted Resistors	25℃	4W	6W	9W	12W
	70℃	3.2W	4.8W	7.2W	9.6W

Electrical Specification		
Characteristics	Limits	Test Methods
Resistance Tolerance	Resistance Tolerance 0Ω1~100KΩ ±1%(F),±5%(J)	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 Power5 Seconds	JIS-C-5202 5-5
Insulation Resistance	DC500V 100MΩ min	JIS-C-5202 5-6

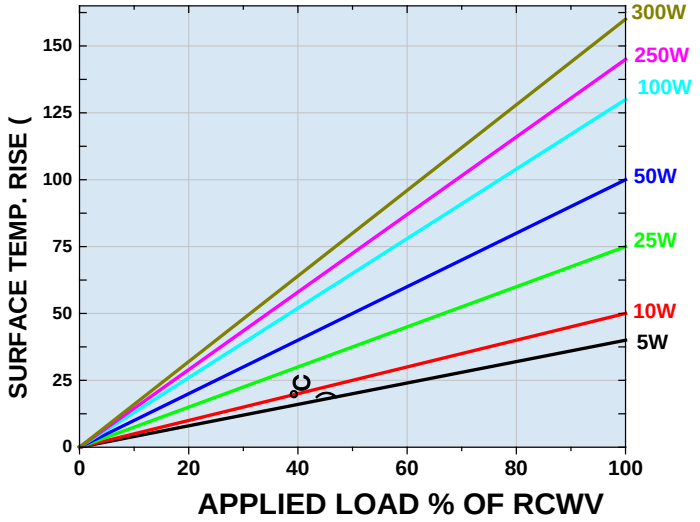
Short-time Overload Rating												
Load Time (Second)	1	2	3	4	5	10	30	60	180	300	600	900
Power Increase (%)	2600	2000	1600	1400	1300	1000	600	450	200	150	120	110

● SURFACE TEMPERATURE VERSUS POWER LOAD (On Chassis)

●POWER GRAPH



●HOT-SPOT TEMPERATURE



Derating is required for ambient temperatures above 25℃, refer to POWER GRAPH.

For curve A, B and C applie to operation of unmounted resistors.

Curves A: 5W and 10W, unmounted.

Curves B: 25W, unmounted.

Curves C: 50W, 100W and 250W, unmounted

Performance		
Parameters	Test Conditions	Specifications
Short time Over Load	5X wattage rating-5sec	△R±(0.5%+0.05Ω)MAX
Moisture Resistance	Temp 40℃ moisture 95% DC100V 500HR	△R±(0.5%+0.05Ω)MAX
Moisture Load Life	Temp 40℃ moisture 95% 1/10X Wattage rating (1.5Hr ON-0.5Hr OFF)-Repeat 1000Hr	△R±(0.5%+0.05Ω)MAX
Load Life	Load Rating(chass is mounted) (1.5Hr ON 0.5Hr OFF) -Repeat 1000Hr	△R±(1.5%+0.05Ω)MAX
Vibration	10c/s~50c/s~10c/s(lmin)2Hr each of paralleled and right angle	△R±(0.2%+0.05Ω)MAX
Heat Resistance	275℃ 2Hr	△R±(0.5%+0.05Ω)MAX
Dielectric Strength	AH-5 AH-10 AH-25 1000V AH-50 1500V AH-100 AH-150 AH-250 2500V	△R±(0.2%+0.05Ω)MAX
Insulation Resistance	Under the same test condition of Dieletric Strength,Load DC500v and measure the insulation R.	1000M Ω min

Packing		
AHR	BOX(PCS)	CARTON(PCS)
5W	400	2400
10W	300	1800
25W	150	600
50W	100	600
80W	8	48
100W	10	60
250W	6	36
300W	6	36

● PART NUMBER:

AHN	50W	3K	J		
↓	↓	↓	↓	↓	↓

Type		Power rating		Resistance		Tolerance		T.C.R		Seal	
AHN	Non inductive Aluminum Housed	5W	5W	0R22	0.22Ω	J	± 5%		Standard		Standard
		10W	10W	1R	1Ω	F	± 1%	C	100ppm	EP	Epoxy
		.....		.....				E	50ppm		
		250W	250W	100R	100Ω			G	25PPM		
		300W	300W	3K	3KΩ						