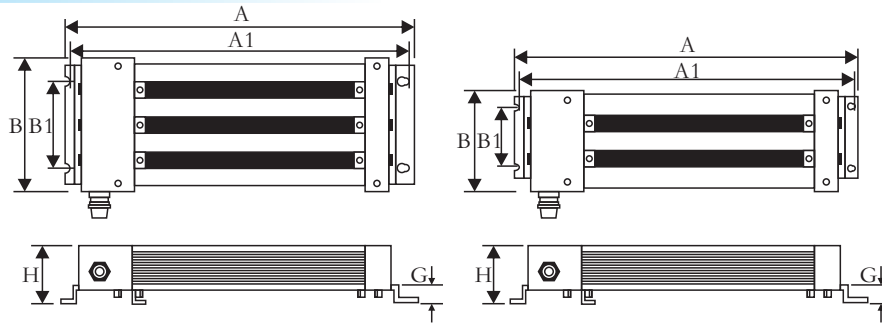


Features

- I Aluminum crust surface with good performance in heat radiation, suitable for cooling plate installation, can be used in the atrocious environment.
- II Small size, high power load.
- III High insulating capacity, encapsulation by non-flame inorganic material, good performance in vibration.
- IV Multi connection form will be easy to fix.
- V Widely used in power supply, Transducer, Elevator, Arena audio and high requirement equipment industry.
- VI Resistance tolerance: $\pm 5\%$, $\pm 10\%$.

Dimensions



Type	Power (W)	Dimensions(mm)						Connecting wire(mm)	Lead Length(mm)
		A ± 2	A2 ± 2	B ± 3	B1 ± 1	G ± 1	H ± 1		
AR2U	800	372	355	84	49	20	84	2.5	500
AR2U	1000	442	425	84	49	20	84	2.5	500
AR2U	1200	507	490	84	49	20	84	2.5	500
AR3U	1200	372	355	134	75	20	84	2.5	500
AR3U	1500	442	425	134	75	20	84	2.5	500
AR3U	1800	507	490	134	75	20	84	2.5	500
AR4U	1600	372	355	184	125	20	84	2.5	500
AR4U	2000	442	425	184	125	20	84	4.0	500
AR4U	2400	507	490	184	125	20	84	4.0	500
AR5U	2000	372	355	234	175	20	84	4.0	500
AR5U	2500	442	425	234	175	20	84	4.0	500
AR5U	3000	507	490	234	175	20	84	4.0	500

Ordering Information

Example:

ARXU	300	J	10R0	A
(1)	(2)	(3)	(4)	(5)
Series Name	Power Rating	Resistance Tolerance	Resistance	Special code

(1)Type: ARXU SERIES

(2)Power Rating: 60=60W,100=100W,300=300W,800=800W

(3)Tolerance: J= $\pm 5\%$,K= $\pm 10\%$

(4)Resistance Value:R100=0.1,1R00=1,10R0=10,1000=100R,1001=1K

(5)Special code: A1=Without brackets,A2=With brackets

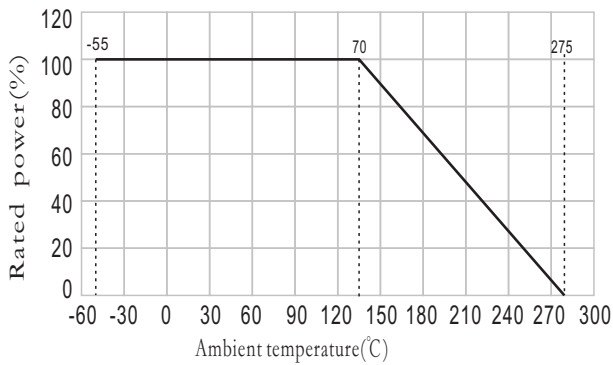
Reference Standards

JISC 5201-1

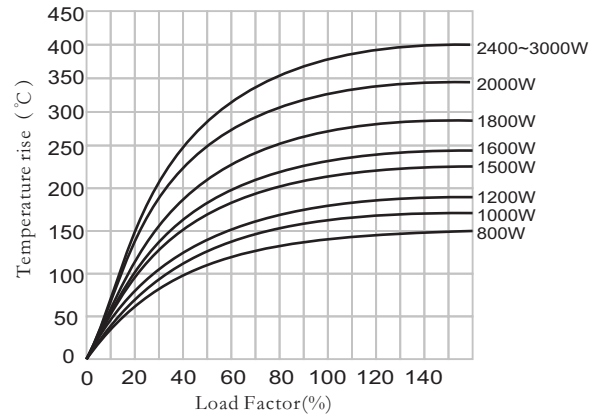
Applications And Ratings

Rated Power (W)	Resistance Range(Ω)	Tolerance	T.C.R	Max Working Voltage	Max Overload Voltage	Dielectric Withstanding Voltage
800	1 Ω ~5K Ω	J \pm 5% K \pm 10%	\pm 300PPM/ $^{\circ}$ C	$\sqrt{P.R}$	$6.25\sqrt{P.R}$	1500V/Ac
1000	1 Ω ~5K Ω					
1200	1 Ω ~5K Ω					
1200	1 Ω ~5K Ω					
1500	1 Ω ~5K Ω					
1800	1 Ω ~5K Ω					
1600	1 Ω ~5K Ω					
2000	1 Ω ~5K Ω					
2400	1 Ω ~5K Ω					
2000	1 Ω ~5K Ω					
2500	1 Ω ~5K Ω					
3000	1 Ω ~5K Ω					2000V/Ac

Derating Curve



Surface Temperature Rise



Performance

Test Items	Performance	Test Methods(JIS C 5201-1)
Temperature coefficient	\pm 300ppm/ $^{\circ}$ C	Test resistance value at normal temperature and normal temperature added 100 $^{\circ}$ C, calculate $^{\circ}$ C resistance value change rate.
Short time overload	$\Delta R \leq \pm (2\%R0 + 0.05\Omega)$	10X rated power or Max. overload voltage(get the lower) for 5seconds.
Resistance to soldering heat	$\Delta R \leq \pm (1\%R0 + 0.05\Omega)$	Immerge into the 350 \pm 10 $^{\circ}$ C tin stove for 2~3 seconds
Dielectric withstanding voltage	No obvious mechanical damage or spark-over	Add AC 1500V or 2000V or 2500V for 1min.
Temperature cycle	$\Delta R \leq \pm (1\%R0 + 0.05\Omega)$	At -55 $^{\circ}$ C for 30min, then at +25 $^{\circ}$ C for 10~15min, then at +125 $^{\circ}$ C for 30min, then at +25 $^{\circ}$ C for 10~5, min, total 5cycles.
Load life in humidity	$\Delta R \leq \pm (3\%R0 + 0.05\Omega)$	Overload rated voltage or Max.working voltage(get the lower)for 1000hours (1.5hours on and half-hour off) at the 40 \pm 2 $^{\circ}$ C and 90~95% relative humidity.
Load life in heat	$\Delta R \leq \pm (3\%R0 + 0.05\Omega)$	Overload rated voltage or Max.working voltage(get the lower)for 1000hours (1.5hours on and half-hour off) at the 70 \pm 2 $^{\circ}$ C.
Terminal strength	$\Delta R \leq \pm (2\%R0 + 0.1\Omega)$	Pull:100N
Vibration	$\Delta R \leq \pm (2\%R0 + 0.1\Omega)$	Frequency:10~55Hz, Swing:0.75mm, Test time:6hours
Nonflammability	No visible flame	Respectively load AC voltage by 5,10,16 times rated power for 5 minutes.