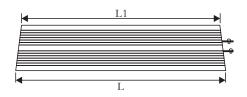


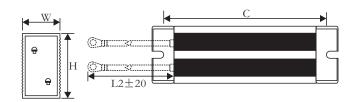


Features

- 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: $\pm 1\%$, $\pm 2\%$, $\pm 5\%$, $\pm 10\%$.

Dimensions





Туре	Power (W)	Dimensions(mm)						
		L±1	L1±1	$W \pm 0.5$	$H \pm 0.5$	C±0.5	L2	
MNF	1000	400	362	50	107	384		
	1200	450	412	50	107	434	Customerized lead wire	
	1500	485	447	50	107	468	is available	
	2000	550	510	50	107	532	io a , arrabic	

Ordering Information

Example:

MNE	1000	J	10 R 0
(1)	(2)	(3)	(4)
Series Name	Power	Resistance	Resistance
	Rating	Tolerance	

(1) Type: MNE SERIES

(2) Power Rating: 1000=1000W, 1200=1200W, 1500=1500W, 2000=2000W

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

(4) Resistance Value: $R100 = 0.1\Omega$, $1R00 = 1\Omega$, $10R0 = 10\Omega$

Reference Standards

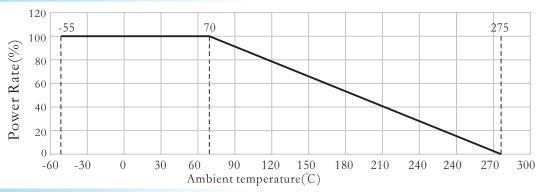
JISC 5201-1

Applications And Ratings

Rated Power			Tolerance	T.C.R	Max Working		Dielectric Withstanding
(W)	Standard	Non-inductive			Voltage	Voltage	Voltage
1000	1 Ω ~30K	1~2K					
1200	1 Ω ~30K	1~2K	J ± 5%	± 300PPM/°C	√P·R	$\sqrt{10 \cdot P \cdot R}$	2000V/Ac
1500	1 Ω ~30K	1~2K	J + 370				
2000	1 Ω ~30K	1~2K					



Derating Curve



Performance

Test Items	Performance	Test Methods(JIS C 5201-1)			
Temperature coefficient	±300ppm/°C	Test resistance value at normal temperature and normal temperature added 100 °C , calculate °C resistance value change rate.			
Short time overload	$\triangle R \leq \pm (2\%R0 + 0.05\Omega)$	10X rated power or Max. overload voltage(get the lower) for 5seconds.			
Resistance to soldering heat	$\triangle R \leq \pm (1\%R0 + 0.05\Omega)$	Immerge into the 350 ± 10 °C tin stove for $2\sim3$ seconds			
Dielectric withstanding voltage	No obvious mechanical damage or spark-over	Add AC 1500V or 2000V or 2500V for 1min.			
Temperature cycle	$\triangle R \leqslant \pm (1\%R0 + 0.05\Omega)$	At-55°C for 30min, then at+25°C for 10~15min, then at +125°C for 30min, then at +25°C for 10~5, min, total 5cycles.			
Load life in humidity	$\triangle R \leqslant \pm (3\%R0 + 0.05\Omega)$	Overload rated voltage or Max.working voltage (get the lower) for 1000 hours (1.5 hours on and half-hour off) at the 40 \pm 2°C and 90~95% relative humidity.			
Load life in heat	$\triangle R \leqslant \pm (3\%R0 + 0.05\Omega)$	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	$\triangle R \leq \pm (2\%R0 + 0.1\Omega)$	Pull:100N			
Vibration	$\triangle R \leq \pm (2\%R0 + 0.1\Omega)$	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.			