

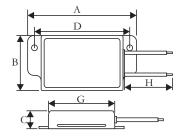


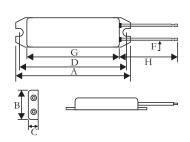
Dimensions



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





Туре	Power (W)	Dimensions(mm)						
		$A\pm 1$	B±1	C±0.5	$D \pm 0.5$	G±1	F	H±10
MNH	40	79	36	13	69	58	0.75mm^2	300
	60	100	30	13	90	75	0.75mm^2	300
	100	130	42	21	118	108	0.75mm^2	300
	200	182	42	214	165	157	0.75mm^2	300

Ordering Information

Example:

MNH 600 J 10R0
(1) (2) (3) (4)
Series Name Power Resistance Rating Tolerance

(1) Type: MNH SERIES

(2) Power Rating: 40=40W, 60=60W, 100=100W, 200=200W

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

(4) Resistance Value: R100=0.1 Ω , 1R00=1 Ω , 10R0=10 Ω

Reference Standards

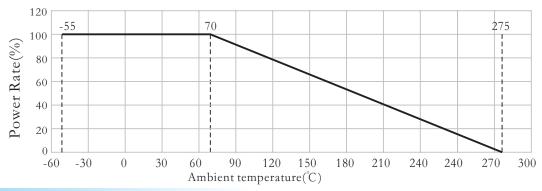
JISC 5201-1

Applications And Ratings

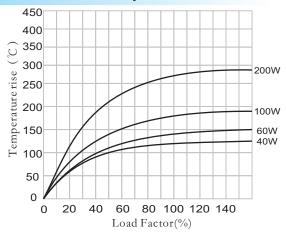
Rated Power (W)	Rated Power Resistance Range(Ω)		Tolerance	T.C.R	Max Working Voltage	Max Overload Voltage	Withstanding
(**)	Standard	Non-inductive			Voltage	Voltage	Voltage
40	1 Ω ∼30K	1~2K		± 300PPM/°C	√P•R	√10•P•R	1500V/Ac
60	1 Ω ∼30K	1~2K	$1 \pm 5\%$				
100	1 Ω ~30K	1~2K	J - 370				
200	1 Ω ~30K	1~2K					



Derating Curve



Surface Temperature Rise



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 \sim 95% relative humidity.			
Load life in heat	$\triangle R \leq \pm (3\%R0 + 0.05\Omega)$	Overload rated voltage or Max.working voltage(get the lower)for 1000hours (1.5hours on and half-hour off) at the $70\pm2^{\circ}$ 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.			