

# Metal Clad Wirewound Resistor - MHL Series



## FEATURES:

- Low price Small size.
- High power and Excellent load life stability.
- Excellent short time over load.
- Strongly resistant to moisture, solvent and insulation.
- Self-extinguish material is used in molding.
- both standard winding type and non-inductive winding type are available
- Terminal arrangements should be separately specified.
- High-surge-resistant items are also available.
- Items with the thermal switches are also available.

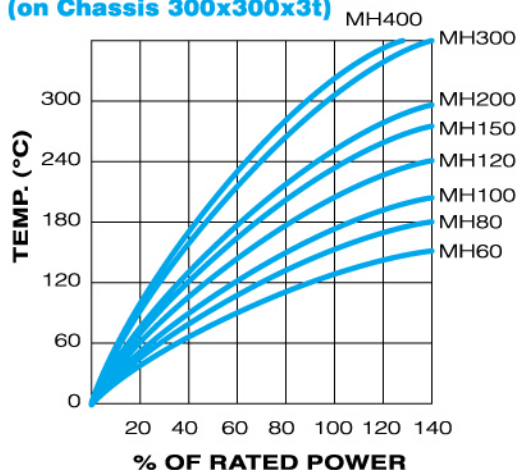
## NOMINAL RESISTANCE VALUES

Type		Wattage Rating (w)	Resistance Range ( $\Omega$ )	
			Standard Type	Non-inductive Type
MH	60	60	0.1~10K	0.1 $\Omega$ ~ 2.5K $\Omega$
MH	80	80	0.1~10K	0.2 $\Omega$ ~ 3K $\Omega$
MH	100	100	0.1~10K	0.2 $\Omega$ ~ 4K $\Omega$
MH	120	120	0.15~15K	0.2 $\Omega$ ~ 5K $\Omega$
MH	150	150	0.15~15K	0.2 $\Omega$ ~ 6K $\Omega$
MH	200	200	0.3~15K	0.2 $\Omega$ ~ 7K $\Omega$
MH	300	300	0.5~30K	0.5 $\Omega$ ~ 8K $\Omega$
MH	400	400	0.5~30K	0.5 $\Omega$ ~ 10K $\Omega$
MH	500	500	0.5~30K	0.5 $\Omega$ ~ 12K $\Omega$
MH	1000	1000	1~100K	1 $\Omega$ ~ 15K $\Omega$

## PERFORMANCE

Parameters	Test Conditions	Specifications
Short Time Over Load	5X wattage rating-5sec.	$\Delta R(2\%+0.05\Omega)$ MAX
Moisture Resistance	temp 40°C moisture 95% DC 100v500Hr	$\Delta R(3\%+0.05\Omega)$ MAX
Moisture LoadLife	temp 40°C moisture 95% 1/10 X wattage rating (1.5Hr ON-0.5Hr OFF) - Repeat 1000Hr	$\Delta R(3\%+0.05\Omega)$ MAX
Load Life	Load Rating ( chass is mounted) (1.5Hr ON-0.5Hr OFF) Repeat 1000Hr	$\Delta R(5\%+0.05\Omega)$ MAX
Vibration	10c/s~50c/s~10c/s (1min)-2Hr each of paralleled and right angle	$\Delta R(1\%+0.05\Omega)$ MAX
Heat Resistance	275°C 2Hr	$\Delta R(0.5\%+0.05\Omega)$ MAX
Dielectric Strength	AC1500V	$\Delta R(0.2\%+0.05\Omega)$ MAX
Insulation Resistance	Under the same test condition of Dielectric Strength, Load DC500V and measure the Insulation R.	100M $\Omega$ min
Temp. coefficient	260ppm/°C MAX	
Operating Temp.	-55°C ~+250°C	

## SURFACE TEMPERATURE VERSUS POWER LOAD (on Chassis 300x300x3t)



## DERATING

