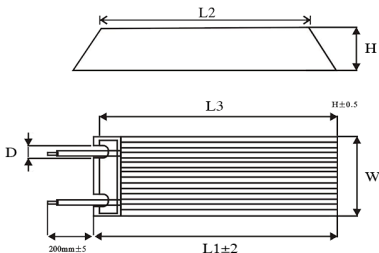


## INTRODUCTION

An aluminum encased resistor that consists of an alloy metal coil-type resistance element assembled into an aluminum enclosure. Following high-temperature anodization, the enclosure is filled with a special non-flammable cement paste and after hardening, insulation is applied through a high-temperature process. Since the resistor is embedded in the heat-proof cement, it is not affected by external mechanical force, dusty environments, or extreme duty. It is durable and vibration-proof, dissipates heat well, and has a low temperature coefficient, with resistance varying in direct proportion. Supporting a flexible range of applications, the product is easy to utilize and install. Applications include industrial machinery, load testing, electric power distribution, instruments, and automated control installations. For custom specifications, please contact us to discuss the details.

## TYPE: MHL-1



(W)	(mm)					
	L1	L2	L3	H	D	W
1000W	300	262	288	50	5.5	107

## Environmental Specifications

Operating Temperature Range	-55°C to 200°C
TCR	< ±260ppm maximum
Dielectric Withstanding Voltage	2500 VAC
Insulation Resistance	20MΩ minimum
Short Time Overload	±2%+0.05Ω - 10 times rated power for 5 seconds
Moisture Resistance	±3%+0.05Ω   40°C, 95% RH, 100Vdc case to terminal, 500 hours
Load Life	±5%+0.05Ω   90 minutes rated power, 30 minutes off, 500 hours
Thermal Shock	±2%+0.05Ω   30 minutes rated power, 15 minutes -25°C
Vibration	±1%+0.05Ω   10Hz - 55Hz - 10Hz (1 minute) 2 hours each direction
Moisture Load Life	±3%+0.05Ω   40°C, 95% RH, 90 minutes 10% rated power, 30 minutes off, 500 hours
Terminals	Standard: 0.25 inch (6.35mm) fast-on, 0.032 (0.8mm) thick Optional: M4 tap or flying lead terminations (contact factory)