


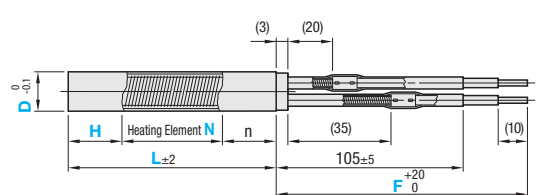
Cartridge Heaters

Heating Length Configurable

☑ Be sure to refer to "Precautions for Use" in the Cartridge Heater Overview on P.1605.



MCHP



☑ Maximum Operating Temperature: 600°C

☑ Maximum Operating Temperature means value at the sheath part. Please pay attention to Lead Wire Heat Resistance Temperature and be sure to put the lead wire out of the mounting hole.

☑ n=L-H-N±5

Terminal

- N (No Crimp Terminal)
- M (With Round Crimp Terminal)
- Y (With Crimp Spade)

☑ Material Heater : SUS304
Lead Wire : See Below
Terminal : Copper (Tin Plating)

RoHS 10

Heating Length Configurable

Part Number Type	D	L 1mm Increment	H 1mm Increment	N 1mm Increment	V (Voltage) Selection		W (Electric Power) 10W Increment		F (Lead Wire Length) Lead Wire Type 10mm Increment		Terminal	Electrical Power Density (W/cm ²)
					100	200	100	200	B	G		
MCHP	6	50~250	5~205	40~240	100	50~500	B	100~1000	N	M	Y	$2 \leq W/cm^2 \leq 15$ ☑ $W/cm^2 = W/(D \cdot n \cdot 100)$ (Calculate with the electrical power density of heat-generating part, not with the overall length.)
					200	100~600						
	8	50~400	5~355	40~390	100	50~600						
					200	50~1200						
	10	50~600	5~555	40~590	100	50~600						
					200	50~1200						
	12	50~600	5~555	40~590	100	50~800						
					200	50~1600						
	14	50~600	5~555	40~590	100	50~800						
					200	100~1600						

☑ L≥H+N+5

Type of Lead Wire

Symbol	Type of Lead Wire	Heat Resistance Temperature	Features
B	Tin Plated Annealed Copper Fiber Glass Braided Wire	180°C	General Use
G	Silicon Rubber + Tin Plated Annealed Copper Wire	180°C	For chemical and water resistant items
T	Teflon + Nickel Plated Annealed Copper Wire	260°C	For chemical, water and weather resistant items
M	Mica Polyimide-Wound Silica + Nickel Coated Copper Wire	400°C	For heat resistant items

Type of Terminal

Symbol	Type of Terminal	Nominal Screw
N	No Crimp Terminal	-
M	Crimp Terminal - Round	M4
Y	Crimp Spade	M4



Ordering Example: **Part Number** - L - H - N - V - W - F Lead Wire - Terminal

MCHP12 - 300 - H5 - N100 - V100 - W350 - M 1000 - Y

Part Number Type	D	Heater Body Price					Additional Lead Wire Price (Body Price +)				Additional Terminal Price (Body Price +)				
		L50~100	L101~200	L201~300	L301~400	L401~500	L501~600	B	G	T	M	N	M	Y	
MCHP	6														
	8														
	10														
	12														
	14														

Precautions for Use

- ☑ Do not let the heaters run idle in the atmosphere. If the heater is used with some or the whole of the heating element projected from the heated objects, the wire may break or ignite due to abnormal heating. (Completely hide heat-generating part of a heater in a metal block with 5mm gap on both ends, ensuring that the heat generating part is not exposed to air.)
- ☑ Keep the temperature around the lead wire exit at 130°C or less.

