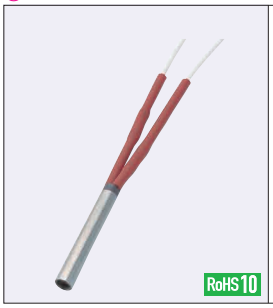
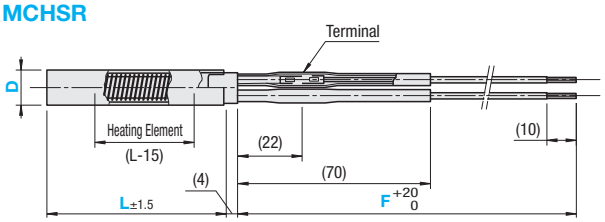
Cartridge Heaters
Configurable L, W and F

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



MCHSR



D Tolerance

D	Tolerance
6 8 10 12 14 16 18	-0.02 -0.08
6.25 9.42 12.6 15.77 18.95	+0.05 0

M Material

Heater	: SUS304 Equivalent
Terminal	: Copper
Lead Wire	: See Below
Insulation Tube Heat Resistance Temperature	: 180°C

For D6, 6.25, 8, 9.42, the position of the terminal (22) is (17) and (37) with shifting two terminals.
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.

Configurable L, W and F

Part Number Type	D	L 5 mm Increments	V (Voltage) Selection	W (Electric Power) 10W Increment	F (Lead Wire) Lead Wire Type	F (Lead Wire) 10mm Increment	Electrical Power Density (W/cm²)	Unit Price L50~100	L101~200	L201~300	L301~400	L401~500	L501~600
MCHSR	6	50~250	100	50~ 500	G (Silicon Rubber Wire)	100~1000	2≤W/cm²≤15 W/cm²=W/{Dπ(L- 15)/100} Calculate with the electrical power density of heat-generating part, not with the overall length.				-	-	-
			110	50~ 500									
			200	60~ 600									
			220	80~ 600									
	6.25 (1/4 inch)		100	50~ 500							-	-	-
			110	50~ 500									
			200	60~ 600									
			220	80~ 600									
	8	50~400	100	50~ 600								-	-
			110	50~ 600									
			200	50~1200									
			220	70~1200									
	9.42 (3/8 inch)		100	50~ 600								-	-
			110	50~ 600									
			200	50~1200									
			220	70~1200									
	10	50~600	100	50~ 600									
			110	50~ 600									
			200	50~1200									
			220	70~1200									
	12		100	50~ 800									
			110	50~ 800									
			200	50~1600									
			220	70~1600	T (Teflon Wire)								
	12.6 (1/2 inch)		100	50~ 800									
			110	50~ 800									
			200	50~1600									
			220	70~1600									
	14		100	50~ 800									
			110	50~ 800									
			200	60~1600									
			220	80~1600									
	15.77 (5/8 inch)		100	50~ 800	*M (Silica Wire)								
			110	60~ 800									
			200	70~1600									
			220	90~1600									
	16		100	50~ 800									
			110	50~ 800									
			200	60~1600									
			220	90~1600									
	18		100	50~ 800									
			110	60~ 800									
			200	100~1600									
			220	130~1600									
	18.95 (3/4 inch)		100	50~ 800									
			110	60~ 800									
			200	100~1600									
			220	130~1600									

The specified increment for the L dimension has been changed to a 5 mm increment.

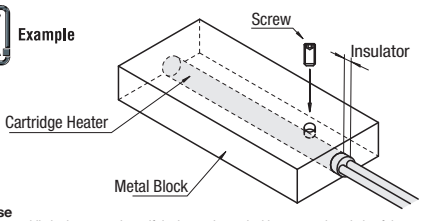
Lead Wire Type

Symbol	Lead Wire Type	Heat Resistance Temperature	Features
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

Ordering Example

Part Number	-	L	-	V	-	W	-	F Lead Wire: Lead Wire Type	F Lead Wire: Length
MCHSR12.6	-	60	-	V200	-	W80	-	T	500

Example



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.