


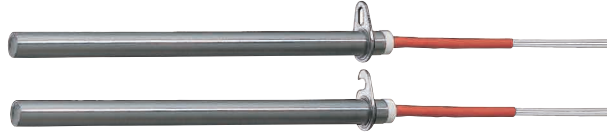
# CARTRIDGE HEATERS HEATING TIP PART TYPE

—L, W, FLANGE SELECTION TYPE—

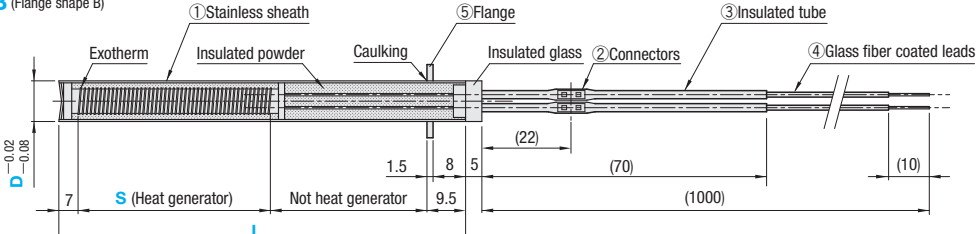
# CARTRIDGE HEATERS —L FORM TYPE—

—L, W, FLANGE SELECTION TYPE—

Ⓜ Non JIS material definition is listed on P.1351 - 1352

**MTCHN** (No flange)  
**MTCHA** (Flange shape A)  
**MTCHB** (Flange shape B)

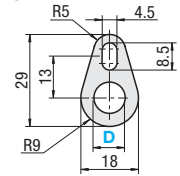


① Stainless sheath  
 ② Connectors  
 ③ Insulated tube  
 ④ Glass fiber coated leads  
 ⑤ Flange

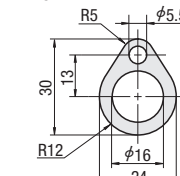
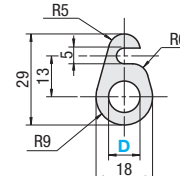
① Stainless sheath  
 SUS304  
 ⑤ Flange  
 SUS304  
 ②③④ Heat resistance: 180°C or lower

Ⓜ Connector position (22) becomes two separate positions 17 and 37 for two connectors when D8.

**MTCHA** (Flange shape A) • D8~12



**MTCHB** (Flange shape B) • D16

Watt density (W/cm <sup>2</sup> )	Part Number Type	D	L		V (Voltage) Selection	W (wattage) 10W increments
			1mm increments	S 1mm increments		
$2 \leq W/cm^2 \leq 15$ $W/cm^2 = W / \{D \times S \times 3.14 / 100\}$	MTCHN (No flange)	8	50~400	30~380	200 220	50~1100
	MTCHA (Flange shape A)	10				50~1600
	MTCHB (Flange shape B)	12				50~1800
	MTCHN (No flange) MTCHA (Flange shape A)	*16				50~2000

Ⓜ Specify the wattage such that the W density (W/cm<sup>2</sup>) is within the range  $2 \leq W/cm^2 \leq 15$ . Ⓜ \* MTCHB: Not available for D16

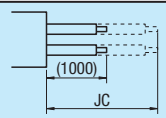
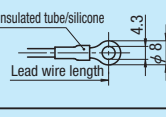
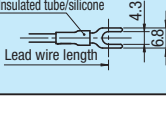
Order **Part Number** — L — S — V — W

MTCHN 8 — 150 — S100 — V200 — W 400  
 MTCHA12 — 300 — S150 — V220 — W1400

Days to Ship **Quotation**



Alterations **Part Number** — L — S — V — W — (JC · M4 · G4)

MTCHN8 — 200 — S100 — V200 — W 600 — JC2  
 MTCHB10 — 400 — S200 — V220 — W1400 — JC2 — M4

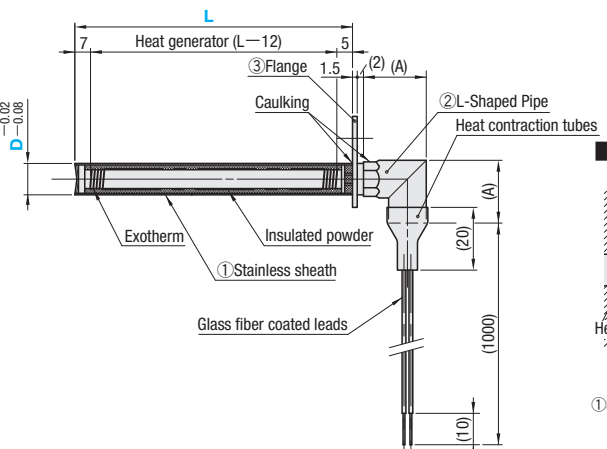
Alterations	Code	Spec.	1Code
	JC	Change the length of the lead wire. Specification method Lead wire length (mm) JC2 2000 JC3 3000	<b>Quotation</b>
	M4	Fit round crimped terminal (M4) onto lead wire.	
	G4	Fit Y-type crimped terminal (M4) onto lead wire.	

Price **Quotation**

■ Characteristics:  
 Available to generate heat only for the core part of the heater which can prevent scraping troubles caused by difference of thermal expansion at the guide part.

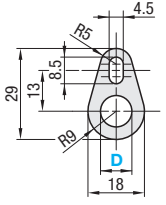



**MLCHN** (No flange)  
**MLCHA** (Flange shape A)  
**MLCHB** (Flange shape B)  
**MLCHC** (Flange shape C)

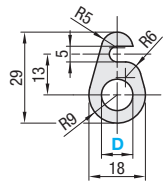


① Stainless sheath  
 SUS304  
 ② L-Shaped Pipe  
 SUS304  
 ③ Flange  
 SUS304  
 Lead heat resistance temperature 180°C

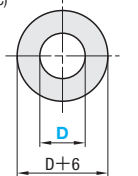
**MLCHA** (Flange shape A) • D8~12



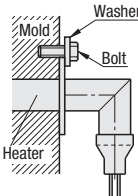
**MLCHB** (Flange shape B)



**MLCHC** (Flange shape C)



Installation example for MLCHC (Flange shape C)



①: Install flange in between washer and bolt.  
 ②: Available to freely decide and set the bolt position.

Watt density (W/cm <sup>2</sup> )	A	Part Number Type	D	L		V (Voltage) Selection	W (wattage) 10W increments
				1mm increments	S 1mm increments		
$2 \leq W/cm^2 \leq 15$ $W/cm^2 = W / \{D \times (L-12) \times 3.14 / 100\}$	20 22 25	MLCHN (No flange)	8	50~400	30~380	200 220	50~1100
		MLCHA (Flange shape A)	10				50~1600
		MLCHB (Flange shape B)	12				50~1800
		MLCHC (Flange shape C)	*16				50~600

Ⓜ Specify the wattage such that the W density (W/cm<sup>2</sup>) is within the range  $2 \leq W/cm^2 \leq 15$ . Ⓜ \* MLCHB Not available for D16

Order **Part Number** — L — V — W

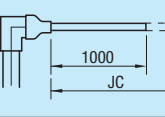
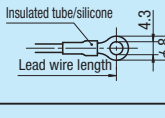
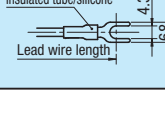
MLCHN 8 — 150 — V200 — W 400  
 MLCHA12 — 300 — V220 — W1400  
 MLCHB10 — 200 — V200 — W 600

Alterations **Part Number** — L — V — W — (JC · M4 · G4)

MLCHN 8 — 200 — V200 — W 600 — JC2  
 MLCHB10 — 400 — V220 — W1300 — JC2 — M4

Days to Ship **Quotation**

Price **Quotation**

Alterations	Code	Spec.	1Code
	JC	Change the length of the lead wire. Specification method Lead wire length (mm) JC2 2000 JC3 3000	<b>Quotation</b>
	M4	Fit round crimped terminal (M4) onto lead wire.	
	G4	Fit Y-type crimped terminal (M4) onto lead wire.	