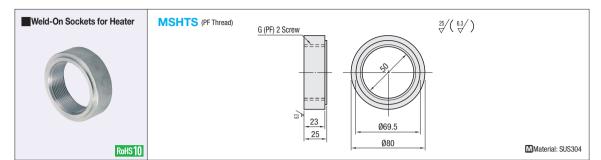
# Weld-On Sockets for Heater, Float Switches

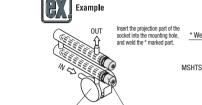
Horizontal, Vertical



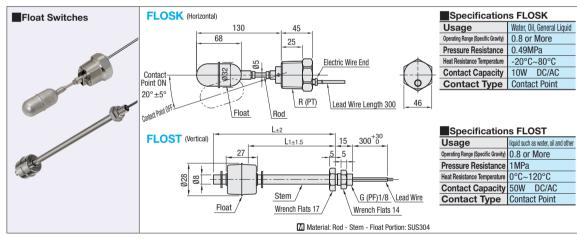
### Weld-On Sockets

Part Number	Unit Price			
Туре	Offic Price			
MSHTS				





MSHPW (P1639)



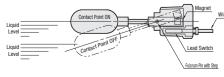
Part Number		D (DT) (C (DE)	Lead Wire Length		L <sub>1</sub>	Mass	Unit Price	
Туре	No.	n (P1)/G (PF)	Lead wire Length	_	Li	(g)	1 ~ 3 pc (s).	
FLOSK	80	R1 1/4	300	-	-	500		
	2		300	200	170	65		
FLOST	3	G1/8		300	270	85		
	4	1		400	370	105		

Part Number FLOSK80

For orders larger than indicated quantity, please request a quotation.

### ■Principle of Operation (FL0SK)

The float moves according to changes in the liquid level. When the magnet comes close to the reed switch (high liquid level), the reed switch will be activated. When the liquid level



 These switches are designed as alarm or signal of water-level for liquids such as water and oil.
By combining with a power supply interrupt circuit, it can be used as safety circuit to prevent liquid heaters from dry-running.

### Cautions on Installation (FLOSK) Install horizontally. The electrical wire should exit

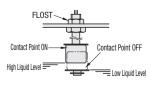




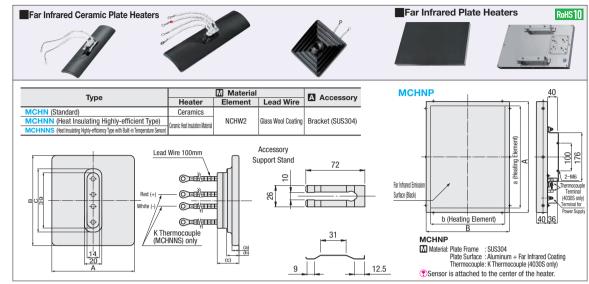
On when liquid level falls On when liquid level rises (Electronic wire at upper position) (Electronic wire at lower position)

Confirm that there is no liquid leakage before use.
Avoid installing in places where the float cannot move smoothly.
When pouring liquid, do not splash it on the body of this product.
After the wires are connected, observe the liquid level with eyes and confirm the output before actual use.

# Cautions on Installation (FLOST) Float may not move properly when mounted



# **Far Infrared Ceramic Plate Heaters, Far Infrared Plate Heaters**



### Far Infrared Ceramic Plate Heaters

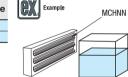
Part Number		Λ	A D	_	(0)	/l=\	(-)	W	٧	Max. Surface Temperature	Emission Wavelength	Unit Price		
Туре	No.	А	ь	Ò	(a)	(b)	(c)	(Electric Power)	(Voltage)	(°C)	(μm) <sup>*</sup>	MCHN	MCHNN	MCHNNS
MCHN	1	60	245		20 (18)	25 (21)	35 (32)	400	200 Single-phase	600	2~20			
MCHNN	2	60	245	45 (48)				600		680				
MCHNNS	3	100 (105)	122 (125)	. ,		25 (14)	38 (25)	400		600				
MICHINING	4	122 (123)	122 (123)		23 (0)	23 (0) 23 (14)		600		680				

Values in ( ) are for MCHN.

## Far Infrared Plate Heaters

rdering Part Number

Part Nur	Part Number		В	_	h	W	٧	Max. Surface Temperature	Thermocouple Used	Weight	Unit Price
Туре	No.	Α .	В	a b		(Electric Power)	(Voltage)	(°C)	inermocoupie usea	(kg)	Onit Price
MCHNP	4030	400	300	368	268	1000	200	250	-	6.0	
MCHNP	4030S	400	300	300	200	1000	Single-phase	230	K Thermocouple	0.0	



# Features

- · MISUMI's ceramic plate heaters are highly-efficient far infrared heaters.
- The far infrared ray uniformly heats the surface and interior of the object.
- · This is little affected by aging, and retains high efficiency for a long time. Lightweight, clean with no particle generation, and excels in thermal response.

### Heat Insulating Highly-efficient Type

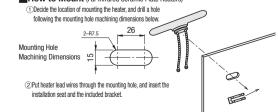
Heat insulating material is embedded in conventional ceramic plate heaters. Heat insulation effect by air and heat insulating material enables less heat transfer and conduction to the backside of the heater, which enhances heat emission from heater surface (Refer to Increased Temperature Properties Graph)

● Heat Insulating Highly-efficient Type with Built-in Temperature Sensor K Thermocouple is attached to measure the heater surface temperature. Suitable when the heater temperature control is required.

### ● Far Infrared Plate Heaters

Large plate heater of 400x300 enables uniform heating of large area surfaces. Temperature unevenness will be smaller compared to combining conventional ceramic plate heaters.

# How to Mount (Far Infrared Ceramic Plate Heaters)



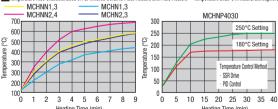
Mounting plate thickness should be within 1 ~ 2mm

## ■Precautions for Use

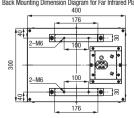
Do not use in places with high humidity. Short may result from such high humidity.

Suitable for clean heating as follows: LED industry, semiconductor industry, food industry, biotechnology industry and heating, burning, drying, softening, preheating, hardening, aging, heat retention of the plastic molding process.

### Temperature Rise Characteristics of Far Infrared Ceramic Plate Heaters and Plate Heaters \* Temperature at 25°C in natural atmosphere



# Mounting Method (Far Infrared Plate Heaters)



Decide the heater mounting location, and drill a hole for M6. (Decide the exit for the heater power supply wires and drill a hole if necessary.)