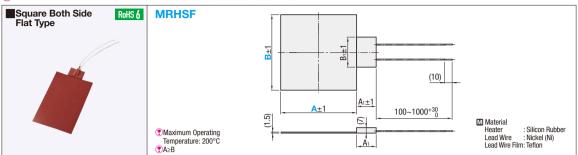
Rubber Heaters / Adhesives for Rubber Heater

Square Both Side Flat Type

PBe sure to refer to "Precautions for Use" in the Rubber Heaters Overview on P.1511.



Rubber Heaters (Square Both Side Flat Type)

Part Number	5mm Increment		٧	W (Electric Power)	F (Lead Wire Length)	Lead Wire Retainin	g Sheet Dimension	Electrical Power Density
Type	Α	В	(Voltage)	10W Increment	10mm Increment	A 1	B ₁	(W/cm²)
MRHSF	50~500	25~50	100	10~1600	100~1000	25	25	
		55~100				25	40	0.0 400/2 40.0
		105~200				40	40	0.2≤W/cm ² ≤0.8 ••••••••••••••••••••••••••••••••••••
		205~350	200			60	100	(*) W/GIII = W/(AD/100)
		355~400				80	120	

















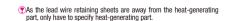
Feature

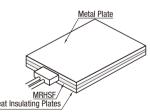
- As the lead wire retaining sheets are away from heat-generating part, it is easy to sandwich the heater.
- Closer contact with workpiece allows for higher heat efficiency than the conventional products.
- Only have to specify heating portion.

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A	Unit Price											
	B25~50	B55~100	B105~150	B155~200	B205~250	B255~300	B305~350	B355~400				
50~100			-	-	-	-	-	-				
105~150				-	-	-	-	-				
155~200					-	-	-	-				
205~250						-	-	-				
255~300							-	-				
305~350								-				
355~400												
405~450												
455~500												







Seasy-to-use sandwich construction. Has higher heat efficiency than the conventional products such as MRHSS.



Part Number	Volume (ml)	Features	Color	Usage	Operating Temp. Range	How to Hea	Unit Price Qty. 1~10
MRHSB	330	Suitable for bonding rubber with metal plates under high temperature (180°C). Also suitable for metals with rough surfaces and curved surfaces.	Transparent	Adhesion of Silicon Rubber	-40°C ~ 180°C	Apply it on the adhered surface of rubber heater uniformly. After the adhesive sets a little (approx. 10 – 15 minutes in summer, \$3 ~ 40 minutes in writer), stick it not the fixing surface (metal block, etc.), puge air from the rubber surface, and press on it uniformly. Leave it alone for one day after the affixing, then apply electric power.	

Pror orders larger than indicated quantity, please request a quotation Thermal Conductivity: 0.21 {5x10-4} W/m, K {cal/cm, sec, °C}



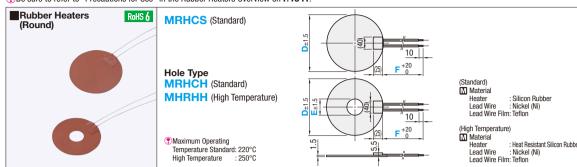


Configure Online

Rubber Heaters

Round / Square (with Thermostat)

PBe sure to refer to "Precautions for Use" in the Rubber Heaters Overview on P.1511.



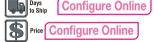
Round Rubber Heater

Part Number Type	D 1mm Increment	V (Voltage)	W (Electric Power) F (Lead Wire Length) Electrical Power Density 10W Increment 10mm Increment (W/cm²)		Unit Price	
	60~100	100 200	10~60	100~1000		
	101~150		10~130			
MRHCS (Standard)	151~200		50~240		0.2≤W/cm²≤0.8 ••••••••••••••••••••••••••••••••••••	
	201~300		50~500			
	301~400		50~700			

Round Rubber Heater (with Hole)

Part Number	D	E		W (Electric Power)	F (Lead Wire Length)		Unit Price	
Туре	1mm Increment	1mm Increment	(Voltage)	10W Increment	10mm Increment	(W/cm²)	MRHCH	MHRHH
	70~100			10~60	100~1000			
MRHCH	101~150		100	10~130				
(Standard)	151~200	3~440		50~240		0.2≤W/cm²≤0.8 ••• W/cm²=W/[π{(D/2)²/100}-π{(E/2)²/100}]		
MHRHH	201~300	 ©E≤D-60	200	50~500	100~1000			
(High Temperature)	301~400			50~700				
	401~500			50~800				







(Voltage)

Configure Online

Operating Method: OFF when temperature rises, and ON when temperature drops (Electric Rating)

50mΩ or less according to minute current ohmmeter (DC6V/0.1A) (Initial Value)

 $10 M\Omega$ or more with DC500V mega in the charge part and non-charge part

Resistance Load AC125V/15AAC250V/7.5A (Minimum Current: 0.1A)

Insulation Resistance: 50MO: Contact resistance: 100mO or less

overheating of rubber heaters.

· The bimetal thermostat with automatic recovery system prevents

AC1500V/min or AC1800V/sec in the charge part and non-charge part (Leakage Current: 10mA)

(ON/OFF life span)
The thermal ON/OFF operation is done approx. 10,000 times or less at the load of rated current and voltage.

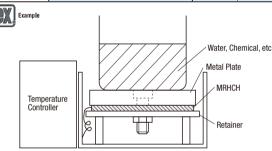
■ Feature

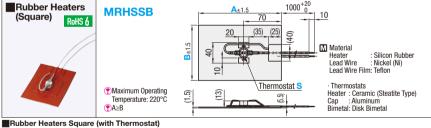
(Contact Resistance)

(Features of Thermostats)

A - B - V

Principle of Operation; Bimetal Non-energizing Type Single Pole Single Throw Operating Temperature One Point Fixed Type





Thermostats Operating ON Point OFF Point It energizes (NC) when the power is turned on and the contact point shuts off when it reaches to the operation temperature rate (OFF) and electricity is turned off.

It automatically recovers when it is below the rated operating temperature.

hermostat Operating Temperature Rating

(Ex.) When at thermostat operation temperature (°C) 80, contact point shuts off at (80±4)°C after electricity is supplied. It will automatically recover when it is supplied, it will additionally recover when it becomes (65±8)°C. In temperature adjustment, set it lower than the temperature of OFF point tolerance (In case of 80°C: 80-4=76°C or less).

Electrical Power Density (W/cm²) 0.2≤W/cm²≤0.8 Price Configure Online

Α										
	B80~100	B101~150	B151~200	B201~250	B251~300	B301~350	B351~400			
120~150			-	-	-	-	-			
151~200				-	-	-	-			
201~250					-	-	-			
251~300						-	-			
301~350							-			
351~400										
401~450										
451~500										

How to Mount

Apply Rubber Heater (left-hand page) and attach to the heated object. P.1513

Precautions for Use

The thermostat should not be used for temperature adjustment. Please use it as overheat protector

Do not apply force to thermostat

- There are temperature gaps (about 10~40°C) between thermostat operating temperature and heater surface temperature, and between thermostat and heated object. Please check before actual use
- A part of upper terminal of thermostat is exposed. Please pay attention to short circuit
- Do not use it in flammable atmospheres.
- To avoid burn injury, do not touch the heater when the power supply is on or immediately after use.