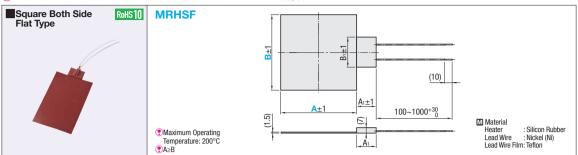
Rubber Heaters / Adhesives for Rubber Heater

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
Туре	Α	В	(Voltage)	10W Increment	10mm Increment	A 1	B ₁	(W/cm²)
MRHSF	50~500	25~50	100 200	10~1600	100~1000	25	25	
		55~100				25	40	0.0 - 111/2 - 0.0
		105~200				40	40	0.2≤W/cm ² ≤0.8 ••• W/cm ² =W/(AB/100)
		205~350				60	100	(*) W/(AD/100)
		355~400			1 1			80



Configure Online

В

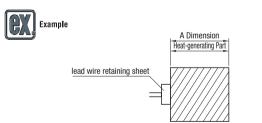
Part Number

■Feature

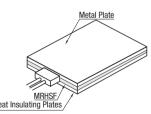
- As the lead wire retaining sheets are away from heat-generating part, it is easy to sandwich the heater.
- Closer contact with workpiece allows for higher heat efficiency than the conventional products.
- Only have to specify heating portion.

Configure Online

А	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											



As the lead wire retaining sheets are away from the heat-generating part, only have to specify heat-generating part.



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		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 liftle (approx. 10 – 15 minutes in summer, 35 – 40 minutes in writner), stok for the fixing surface (metal block, etc.), purge air from the rubber surface, and press on it uniformly. Leave it alone for one day after the affixing, then apply electric power.	

Thermal Conductivity: 0.21 {5x10-4} W/m, K {cal/cm, sec, °C}



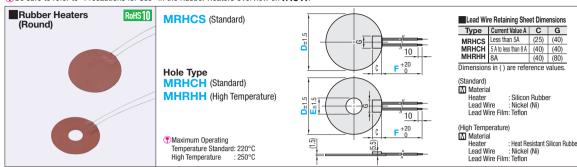


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Rubber Heaters

Round / Square (with Thermostat)

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

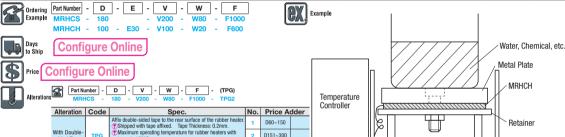


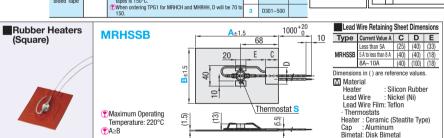
Round Rubber Heater

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

Round Rubber Heater (with Hole)

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





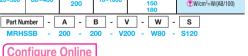
Electrical Power Density (W/cm²)

0.2<W/cm²<0.8

Thermostat Operating Temperature Rating S Thermostats Operating Temperature (°C) OFF Point ON 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.

(Ex.) When at thermostat operation temperature (°C) 80, contact point shuts off at (80±5)°C after electricity is supplied. It will automatically 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: 80-5=75°C or less



Feature

· The bimetal thermostat with automatic recovery system prevents overheating of rubber heaters

(Electric Rating)

Principle of Operation: Binnetal Non-energizing Type Single Pole Single Throw Operating Temperature One Point Fixed Type Operating Method: OFF when temperature rises, and ON when temperature drops

Resistance Load AC125V/10A AC250V/5.0A (Minimum Current: 0.1A)

Rubber Heaters Square (with Thermostat)

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

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

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.

Insulation Resistance: $50M\Omega$; Contact resistance: $100m\Omega$ or less

401~450								
451~500								
How to Mount								

Price Configure Online

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.