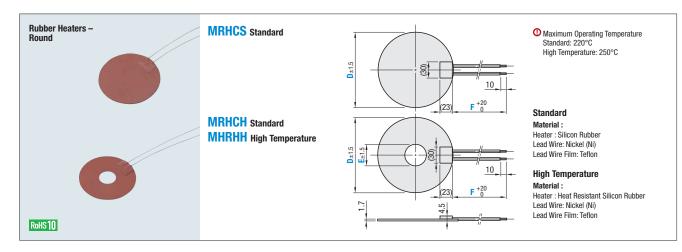
Rubber Heaters / Adhesives for Rubber Heater

Round

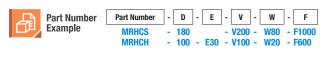


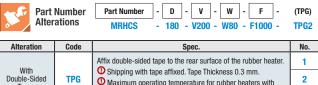
Round Rubber Heater

Part Number	D	V (Voltore)	W (Electrical Power)	F (Lead Wire Length)	Electrical Power Density (W/cm²)	
Туре	1 mm Increment	V (Voltage)	10 W Increment	10 mm Increment		
	60-100		10-60	100–1000	0.2≤W/cm²≤0.8 ① W/cm²=W/[ϖ{(D/2)2/100}]	
	101-150	100 200	10-130			
MRHCS	151-200		50-240			
Standard	201-300		50-500			
	301-400		50-700			
	401-500		50-800			

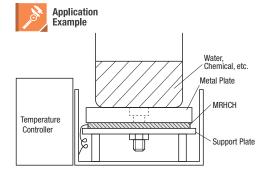
Round Rubber Heater with Hole

Part Number	D	E	V (Voltage)	W (Electrical Power)	F (Lead Wire Length)	Electrical Power Density (W/cm²)
Туре	1 mm Increment	1 mm Increment	v (voitage)	10 W Increment	10 mm Increment	Electrical Fower Delisity (W/CIII-)
	70–100			10-60		
MRHCH	101-150			10-130		
Standard	151-200	3–440 ① E≤D-60	100 200	50-240	100–1000	0.2≤W/cm²≤0.8 ① W/cm²=W/[ϖ{(D/2)2/100}- ϖ{(E/2)2/100}]
MHRHH	201-300			50-500		
High Temperature	301-400			50-700		
	401-500			50-800		





Maximum operating temperature for rubber heaters with



O Please refer to "Precautions for Use" in the Rubber Heaters Guide on P.3726.



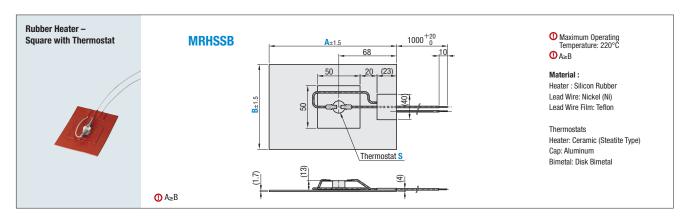
ı	Part Number	Volume (ml)	Features	Color	Usage	Operating Temp. Range	How to Use	
	MRHSB	330	Suitable for bonding rubber with metal plates under the high temperature (180°C). Also suitable for metals with rough surfaces and curved surfaces.	Transparent	Adhesion of Silicon Rubber	-40°C–180°C	Apply it on the adhered surface of rubber heater uniformly. After the adhesive sets a little (approx. 10–15 minutes in summer, 35–40 minutes in winter), stick it on the fixing surface (metal block, etc.), purge air from the rubber surface, and weigh upon it uniformly. Leave it alone for one day after the affixing, then apply electrical power.	
_	_							

1 Thermal Conductivity: 0.21 (5x10-4) W/m - K (cal/cm - sec - °C)



Rubber Heaters

Square with Thermostat



Thermostat Operating Temp. Rating

S Thermostats Operating Temp. (°C)	ON Point	OFF Point	
80	(65±5)°C	(80±4)°C	
120	(100±8)°C	(120±6)°C	
150	(125±15)°C	(150±7)°C	
180	(160±15)°C	(180±8)°C	

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+4)°C after electricity is supplied. It will automatically recover when it becomes $(65\pm5)^{\circ}$ 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).

Rubber Heater – Square with Thermostat

Part Number			V (Voltage)	W (Electrical Power)	S (Thermostat Operating	Electrical Power Density (W/cm²)	
Type	A	B	(Voltago)	10W Increment	Temperature) (°C)	Licotrical Folioity (W/OIII)	
MRHSSB	120-500	80–400	100 200	10–1000	80 120 150 180	0.2≤W/cm²≤0.8 ① W/cm²= W/(AB/100)	



А	Available Types								
	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	•	•	•	•	•	•	•		

Features

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

Principle of Operation: Bimetal non-energizing type single pole single throw operating temperature one point fixed type

Operating Method: OFF when temperature rises, and ON when temperature drops Electric Rating: Resistance Load AC125V / 15AAC250V / 7.5A (Minimum Current: 0.1 A) Contact Resistance: 50 mQ or less according to minute current ohmmeter (DC6V/0.1 A) (initial value) Insulation Resistance: 10 M Ω or more with DC500V mega in the charge part and non-charge part Insulation Resistance: AC1500 V/min or AC1800 V/sec in the charge part and non-charge part

(leakage current: 10 mA) ON/OFF Life Span: The thermal ON / OFF operation is done approximately 10,000 times or less at the load of rated current and voltage

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

Mounting Method

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

Precautions for Use

- ① A thermostat should not be used for temperature adjustment. Please use it as overheat protector.
- ① 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.
- ① A part of upper terminal of thermostat is exposed. Please pay attention to short circuit.
- ① Do not use it in inflammable atmospheres.
- ① To avoid burn injury, do not touch the heater when the power supply is on or immediately after the use.