



MICA BAND & NOZZLE HEATERS

Mica Band and Nozzle heaters deliver reliable high-temperature heating to cylindrical surfaces. They are available in one-piece or two-piece construction along with a variety of diameters, widths, voltages, wattages, clamp styles and power connections. Common applications include plastic injection molding, plastic extrusion, molding presses, die casting, blown-film, packaging, food processing, analytical instrumentation, and more.

Mica Band and Nozzle Heaters are manufactured with only the highest quality materials for superior performance and durability. Choose from over 140 in-stock configurations or tell us what your special requirements are and we will have it designed and shipped in 2 weeks or less.

Standard Band & Nozzle Heater Specifications:

Nozzle (NZ Series)



Diameters: 1-3 in (25-76 mm) Widths: 1-4 in (25-102 mm) Voltages: 120, 240 VAC Watts: Up to 1000 W Construction:

- One-piece design
- 10 in (254 mm) fiberglass leads
- SS barrel clamps

Band (BA Series)



Diameters: 3½-12 in (89-305 mm) Widths: 1-4 in (25-102 mm) Voltages: 120, 240, 480 VAC Watts: Up to 2300 W Construction:

- One-piece or two-piece designs
- Post terminals
- SS barrel clamps

Product Features:

- High-temperature electro galvanized steel sheath provides oxidation resistance and extreme durability.
- Premium grade mica insulation provides excellent electrical insulation at high temperatures.
- Stainless-Steel barrel clamps maintain clamping pressure at elevated temperatures.
- Nickel/Chromium resistance wire is evenly wound for uniform heat distribution and reliable accuracy.
- Low-Profile designs are approximately 1/8 in (3 mm) thick.
- High watt density up to 40 W/in² (6 W/cm²) for high-performance heating in demanding applications.
- Maximum operating temperature up to 850°F (454°C).

MICA BAND & NOZZLE HEATERS

Southwest Heater and Controls offers a wide variety of custom options to design and manufacture a band or nozzle heater to your specifications. Common custom options include size, power connection types, clamping and closure types, electrical requirements, and more. Minimum order quantity for custom heaters is 1 piece.

Post Terminal options



Both sides of gap



Vertical



Horizontal

Stainless Steel Conduit options



Straight out of the side



Right angle out of cap

Lead-Wires - Fiberglass and SS Braid options (SS braid shown)



Both sides of gap



One side of gap



180 degrees
from gap



Straight out
of side



With Spring Relief



Right angle out of cap

Clamping options



Strap



Welded-on barrel nut



Flange



Spring-loaded



Wedge

Special Construction Options

- Internal thermocouple
- Bayonet for thermocouple
- Three-phase
- Dual-voltage
- Europlug
- Terminal box
- Ceramic terminal covers
- Button terminals
- Expandable design
- Square or rectangle shape
- Custom holes or slots
- UL, CE (by request)

**Over 140 Band and Nozzle Heaters in Stock and Available to Ship Within 24 Hours.
Custom Heaters - Standard lead time is 2 weeks with expedites to 3 days.**

STOCK MICA BAND HEATERS

4" diameter heaters and smaller with post terminals—Type N2

Larger than 4" diameter with post terminals.—Type N3

1 pc heaters are with 5/8" wide straps

2 pc heaters are with welded on barrel nuts.

Diam	Wide	Volts	Watts	1 / 2 pc	Part Number
3.5	1	120	300		BA035-010A
3.5	1	240	300		BA035-010B
3.5	1.5	240	500		BA035-015C
3.5	2	120	500		BA035-020B
3.5	2	240	500		BA035-020C
3.5	2.5	240	750		BA035-025A
3.75	1	240	300		BA037-010A
3.75	1.5	240	700		BA037-015A
3.75	2.5	240	850		BA037-025A
4	1	240	625		BA040-010B
4	1.5	240	550		BA040-015H
4	1.5	240	750		BA040-015J
4	2	240	600		BA040-020D
4	2	240	800		BA040-020E
4	2.5	240	1000		BA040-025B
4	4	240	1250		BA040-040A
4.5	1	240	350		BA045-010A
4.5	1.5	240	650		BA045-015G
4.5	2	240	500		BA045-020C
4.5	2.5	240	1000		BA045-025A
4.75	1.5	240	600		BA047-015A
4.75	1.5	480	600		BA047-015B
4.81	2	240	760		BA048-020A
4.81	2	480	760		BA048-020B
5	1.5	240	750		BA050-015E
5	2	240	800	X	BA050-020A
5	3	240	1200		BA050-030D
5	3.25	240	1250		BA050-032A
5.25	1	240	500		BA052-010A
5.25	1.5	240	600		BA052-015B
5.25	1.5	240	1000		BA052-015C
5.5	1.5	240	800	X	BA055-015E
5.5	2	240	1000	X	BA055-020A
5.75	1.5	240	600		BA057-015A

Diam	Wide	Volts	Watts	1 / 2 pc	Part Number
6	1.5	240	850		BA060-015E
6	1.5	240	600	X	BA060-015F
6	1.5	240	900	X	BA060-015G
6	2	240	1000	X	BA060-020A
6	3	240	1400	X	BA060-030A
6.25	3	240	1500	X	BA062-030A
6.5	1.5	240	950	X	BA065-015B
6.5	2	240	1000	X	BA065-020D
6.75	1.5	240	750	X	BA067-015C
6.75	2	240	1300	X	BA067-020A
7	1.5	240	950	X	BA070-015B
7	1.5	240	1100	X	BA070-015C
7.5	1.5	240	1200	X	BA075-015B
7.5	3	240	1800	X	BA075-030B
7.75	1.5	240	1000	X	BA077-015A
7.75	3	240	2000	X	BA077-030A
8	1.5	240	950	X	BA080-015A
8	1.5	240	1200	X	BA080-015B
8	2	240	1500	X	BA080-020A
8	3	240	2250	X	BA080-030A
8.25	2	240	1500	X	BA082-020B
8.5	1.5	240	1200	X	BA085-015A
8.5	2	240	1600	X	BA085-020A
9	1.5	240	1300	X	BA090-015B
9	2	240	1800	X	BA090-020A
9.5	3	240	2000	X	BA095-030A
9.75	2	240	2000	X	BA097-020A
10	1.5	240	1400	X	BA100-015A
11	1.5	240	1600	X	BA110-015B
11	2	240	1200	X	BA110-020A
11	2	240	2000	X	BA110-020B
11.5	1.5	240	1650	X	BA115-015A
12	2	240	2300	X	BA120-020A

Expedited Delivery

For custom bands offered at one, three and five day manufacture lead times

STOCK NOZZLE BAND HEATERS



S= 10" FIBERGLASS High Temperature Leads.

B= 10" SS BRAID/FIBERGLASS Leads.



DIAMETER	WIDTH	WATTS	TYPE	LEADS	120V Part No	240V Part No
1	1	100	S	10" Fiberglass Leads	NZ1010-10100	NZ1010-20100
	1	125	S	10" Fiberglass Leads	NZ1010-10125	NZ1010-20125
	1	125	B	10" SS Braided Leads	NZ1010-10125B	NZ1010-20125B
	1.5	150	S	10" Fiberglass Leads	NZ1015-10150	NZ1015-20150
	2	200	S	10" Fiberglass Leads	NZ1020-10200	NZ1020-20200
	3	300	S	10" Fiberglass Leads	NZ1030-10300	NZ1030-20300
	4	400	S	10" Fiberglass Leads	NZ1040-10400	NZ1040-20400
1.5	1	150	S	10" Fiberglass Leads	NZ1510-10150	NZ1510-20150
	1.5	250	S	10" Fiberglass Leads	NZ1515-10250	NZ1515-20250
	1.5	275	S	10" Fiberglass Leads	NZ1515-10275	NZ1515-20275
	1.5	275	B	10" SS Braided Leads	NZ1515-10275B	NZ1515-20275B
	1.5	300	S	10" Fiberglass Leads	NZ1515-10300	NZ1515-20300
	1.5	300	B	10" SS Braided Leads	NZ1515-10300B	NZ1515-20300B
	2	300	S	10" Fiberglass Leads	NZ1520-10300	NZ1520-20300
	2.5	400	S	10" Fiberglass Leads	NZ1525-10400	NZ1525-20400
	3	450	S	10" Fiberglass Leads	NZ1530-10450	NZ1530-20450
	3	450	B	10" SS Braided Leads	NZ1530-10450B	NZ1530-20450B
	4	550	S	10" Fiberglass Leads	NZ1540-10550	NZ1540-20550
	5	700	S	10" Fiberglass Leads	NZ1550-10700	NZ1550-20700
6	900	S	10" Fiberglass Leads	NZ1560-10900	NZ1560-20900	
1.75	1.5	300	S	10" Fiberglass Leads	NZ1715-10300	NZ1715-20300
	2	350	S	10" Fiberglass Leads	NZ1720-10350	NZ1720-20350
	3	500	S	10" Fiberglass Leads	NZ1730-10500	NZ1730-20500
2	1	200	S	10" Fiberglass Leads	NZ2010-10200	NZ2010-20200
	1.5	300	S	10" Fiberglass Leads	NZ2015-10300	NZ2015-20300
	2	400	S	10" Fiberglass Leads	NZ2020-10400	NZ2020-20400
	2.5	500	S	10" Fiberglass Leads	NZ2025-10500	NZ2025-20500
	3	600	S	10" Fiberglass Leads	NZ2030-10600	NZ2030-20600
2.5	1	300	S	10" Fiberglass Leads	NZ2510-10300	NZ2510-20300
	1.5	350	S	10" Fiberglass Leads	NZ2515-10350	NZ2515-20350
	2	500	S	10" Fiberglass Leads	NZ2520-10500	NZ2520-20500
	3	700	S	10" Fiberglass Leads	NZ2530-10700	NZ2530-20700
3	1	300	S	10" Fiberglass Leads	NZ3010-10300	NZ3010-20300
	1.5	400	S	10" Fiberglass Leads	NZ3015-10400	NZ3015-20400
	2	600	S	10" Fiberglass Leads	NZ3020-10600	NZ3020-20600
	3	1000	S	10" Fiberglass Leads	NZ3030-11000	NZ3030-21000

Custom Options, Sizes and lead lengths available upon request

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Other Heater and Control Products

CARTRIDGE HEATERS



ALUMINUM HEATERS



MICA STRIP HEATERS



CERAMIC BAND HEATERS



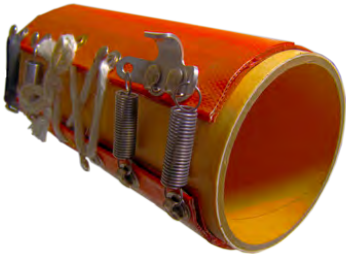
COIL HEATERS



CERAMIC STRIP HEATERS



SILICONE RUBBER HEATERS



AIR HEATERS



THERMOCOUPLES



TEMPERATURE CONTROLLERS



POWER RELAYS



FLEXIBLE TUBULAR HEATERS

