

## Mica Band Heaters

Type 1HB and 2HB

### APPLICATIONS

For heating extruder barrels, plastic injection machine barrels and dies, blow molding machines, kettles, and other applications where even heat is required, the surface is cylindrical, and the desired surface temperature is less than 500° F.



### STANDARD FEATURES

- F Flexible leadwires are fiberglass insulated and covered with 12 inch long metal braid. Preferred on small diameter applications.
- P Post Terminals facilitate connecting several heaters together and/or wiring in series. Should be used with Type HTW High Temperature Wire and Type RH High Temperature Ring Terminal Connectors.

### ACCESSORIES

#### Metal Terminal Cover

Factory installed terminal cover protects terminals from splashing, dripping, and grounding. The box is equipped with BX cable fitting, and must be installed at the factory.

#### Ceramic Post Terminal Cover

Used in conjunction with Type HTW insulated wire to protect against electric shock from bare terminals. The cover is used with the No. 10-32 threaded terminal and can be installed in the field.

### HEATER OPTIONS

- Model 1HB-** Single piece construction - must slide over end of work
- Model 2HB-** Two piece construction - can be assembled around work piece, can be wired in series or in parallel. The 2HB heaters shown in the table are catalogued for parallel wiring.

#### -HTW(lgth)

High Temperature Wire Pigtailed installed on band heater prior to shipment. Wire is UL Listed and rated for 450 °C service. Recommended for heaters with post terminals.

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### Type: 1 HB

Catalog Number	Diameter	Width	Watts	Volts	Watts/ Sq.Inch	Weight (lbs.)
1HB10FX10-1V100	1.00	1.00	100	120	32	0.2
1HB10F10-1V100	1.00	1.00	100	120	32	0.2
1HB10F10-2V100	1.00	1.00	100	240	32	0.2
1HB10F14-1V150	1.00	1.50	150	120	32	0.2
1HB10F14-2V150	1.00	1.50	150	240	32	0.2
1HB12F05-1V100	1.25	0.63	100	120	43	0.2
1HB12F12-1V125	1.25	1.25	125	120	25	0.2
1HB12F12-2V125	1.25	1.25	125	240	25	0.2
1HB12F12-1V200	1.25	1.25	200	120	41	0.2
1HB13F05X-2V100	1.38	0.63	100	240	37	0.1
1HB14F07-2V100	1.50	0.88	100	240	24	0.1
1HB14F10-1V100	1.50	1.00	100	120	21	0.2
1HB14F10-2V100	1.50	1.00	100	240	21	0.2
1HB14FC10-1V150	1.50	1.00	150	120	32	0.3
1HB14F10-1V150	1.50	1.00	150	120	32	0.2
1HB14F10-2V150	1.50	1.00	150	240	32	0.2
1HB14F14-1V200	1.50	1.50	200	120	28	0.3
1HB14F14-2V200	1.50	1.50	200	240	28	0.3
1HB14F14-1V250	1.50	1.50	250	120	35	0.2
1HB14F14-2V250	1.50	1.50	250	240	35	0.3
1HB14F14-1V275	1.50	1.50	275	120	39	0.2
1HB14F14-2V275	1.50	1.50	275	240	39	0.3
1HB14F14-2V300	1.50	1.50	300	240	42	0.3
1HB14FX20-1V300	1.50	2.00	300	120	32	0.3
1HB14F20-2V300	1.50	2.00	300	240	32	0.3
1HB14F30-2V350	1.50	3.00	350	240	25	0.4
1HB14F30-2V500	1.50	3.00	500	240	35	0.4
1HB14F40-1V300	1.50	4.00	300	120	16	0.3
1HB14P40-2V500	1.50	4.00	500	240	27	0.6
1HB16F14-2V150	1.75	1.50	150	240	18	0.3
1HB16F14-1V200	1.75	1.50	200	120	24	0.3
1HB16F14-2V200	1.75	1.50	200	240	24	0.3
1HB16F14-2V225	1.75	1.50	225	240	27	0.3
1HB16FX14-1V250	1.75	1.50	250	120	30	0.3
1HB16F14-2V250	1.75	1.50	250	240	30	0.3
1HB16F14-1V300	1.75	1.50	300	120	36	0.3
1HB16F14-2V300	1.75	1.50	300	240	36	0.3
1HB16FX20-1V300	1.75	2.00	300	120	27	0.3
1HB17FX10-2V140	1.88	1.00	140	240	24	0.2
1HB20F14-1V250	2.00	1.50	250	120	27	0.3
1HB20P14-1V30	2.00	1.50	300	120	32	0.3
1HB20P14-1V300	2.00	1.50	300	120	32	0.4
1HB20P14-2V300	2.00	1.50	300	240	32	0.3
1HB20F20-2V400	2.00	2.00	400	240	32	0.3
1HB20F30-1V750	2.00	3.00	750	120	40	0.5

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Catalog Number	Diameter	Width	Watts	Volts	Watts/ Sq.Inch	Weight (lbs.)
1HB20F36-1V800	2.00	3.75	800	120	34	0.6
1HB20F56-1V300	2.00	5.75	300	120	8	0.8
1HB20F56-1V500	2.00	5.75	500	120	14	0.5
1HB21F10-1V200	2.13	1.00	200	120	30	0.4
1HB21F20-2V200	2.13	2.00	200	240	15	0.4
1HB22P10-1V250	2.25	1.00	250	120	35	0.3
1HB22P10-2V250	2.25	1.00	250	240	35	0.4
1HB22FX12-1V250	2.25	1.25	250	120	28	0.3
1HB22P20-2V525	2.25	2.00	525	240	37	0.4
1HB22XP40-2V950	2.25	4.00	950	240	34	0.6
1HB23P10-2V100	2.38	1.00	100	240	13	0.3
1HB23P10-2V250	2.38	1.00	250	240	34	0.3
1HB24F14-2V200	2.50	1.50	200	240	17	0.4
1HB24P14-1V300	2.50	1.50	300	120	25	0.4
1HB24P14-2V300	2.50	1.50	300	240	25	0.2
1HB24P14-1V350	2.50	1.50	350	120	30	0.4
1HB24P14-2V350	2.50	1.50	350	240	30	0.4
1HB26F14-2V400	2.75	1.50	400	240	31	0.4
1HB30F10-2V200	3.00	1.00	200	240	21	0.5
1HB30F10-2V300	3.00	1.00	300	240	32	0.5
1HB30P10-2V300	3.00	1.00	300	240	32	0.3
1HB30F10-2V500	3.00	1.00	500	240	53	0.7
1HB30F14-1V150	3.00	1.50	150	120	11	0.3
1HB30F14-2V400	3.00	1.50	400	240	28	0.5
1HB30P14-2V400	3.00	1.50	400	240	28	0.5
1HB30P14-2V450	3.00	1.50	450	240	32	0.4
1HB30P14-1V500	3.00	1.50	500	120	35	0.3
1HB30P14-2V500	3.00	1.50	500	240	35	0.4
1HB30F14-1V600	3.00	1.50	600	120	42	0.3
1HB32P14-2V400	3.25	1.50	400	240	26	0.4
1HB32F30-2V800	3.25	3.00	800	240	26	0.8
1HB34P10-1V300	3.50	1.00	300	120	27	0.3
1HB34P14-2V500	3.50	1.50	500	240	30	0.4
1HB34FC20-1V400	3.50	2.00	400	120	18	0.5
1HB34FX20-2V500	3.50	2.00	500	240	23	0.6
1HB36FC14-1V500	3.75	1.50	500	120	28	0.3
1HB36FX14-2V700	3.75	1.50	700	240	40	0.5
1HB36P14-2V700	3.75	1.50	700	240	40	0.6
1HB40F10-2V300	4.00	1.00	300	240	24	0.3
1HB40P14-2V625	4.00	1.50	625	240	33	0.5
1HB40FC14-N800	4.00	1.50	800	120	42	0.5
1HB40F20-2V500	4.00	2.00	500	240	20	0.5
1HB40P20-2V550	4.00	2.00	550	240	22	0.5
1HB40F20-2V550	4.00	2.00	550	240	22	0.5
1HB40FX20-2V550	4.00	2.00	550	240	22	0.6
1HB42P10-2V450	4.25	1.00	450	240	34	0.3
1HB42FX14-1V600	4.25	1.50	600	120	30	0.5

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Catalog Number	Diameter	Width	Watts	Volts	Watts/ Sq.Inch	Weight (lbs.)
1HB42AF14-1V600	4.25	1.50	600	120	30	0.6
1HB42FX20-2V100	4.25	2.00	1000	240	37	0.5
1HB44FC14-1V800	4.50	1.50	800	120	38	0.4
1HB44P20-1V500	4.50	2.00	500	120	18	0.7
1HB46P14-2V400	4.75	1.50	400	240	18	0.7
1HB46AF14-1V800	4.75	1.50	800	120	36	0.5
1HB46FX14-1V800	4.75	1.50	800	120	36	0.4
1HB46P20-2V850	4.75	2.00	850	240	28	0.6
1HB14P50-2V750	5.00	0.63	750	240	76	0.8
1HB50P20-2V1200	5.00	2.00	1200	240	38	0.6
1HB50FX20-2V1250	5.00	2.00	1250	240	40	0.7
1HB52FC14-1V600	5.25	1.50	600	120	24	0.5
1HB54F14-2V725	5.50	1.50	725	240	28	0.8
1HB56FX202V1250	5.75	2.00	1250	240	35	1.0
1HB56AF202V1250	5.75	2.00	1250	240	35	1.0
1HB60FCX-4V1250	6.00		1250	480		1.0
1HB60FC14-1V850	6.00	1.50	850	120	30	1.0
1HB60F14-2V850	6.00	1.50	850	240	30	0.9
1HB60P20-2V800	6.00	2.00	800	240	21	0.9
1HB60FC242V1250	6.00	2.50	1250	240	27	1.0
1HB80FC141V1000	8.00	1.50	1000	120	27	1.0
1HB80FC20-2V120	8.00	2.00	120	240	2	2.0
1HB80FX204V1250	8.00	2.00	1250	480	25	2.0
1HB114P301V1000	11.50	3.00	1000	120	9	2.0

## Type: 2 HB

Catalog Number	Diameter	Width	Watts	Volts	Watts/ Sq.Inch	Weight (lbs.)
2HB95P20-2V2000	0.00	2.00	0	0		6.0
2HB30P10-1V200	3.00	1.00	200	120	21	0.5
2HB30P14-1V200	3.00	1.50	200	120	14	0.5
2HB30P20-1V200	3.00	2.00	200	120	11	0.5
2HB30P20-2V500	3.00	2.00	500	240	27	0.4
2HB34P14-2V500	3.50	1.50	500	240	30	0.3
2HB34P20-2V650	3.50	2.00	650	240	30	0.6
2HB34P24-2V750	3.50	2.50	750	240	27	0.5
2HB35P14-4V500	3.63	1.50	500	240	29	0.4
2HB36P10-2V350	3.75	1.00	350	240	30	0.3
2HB36P14-2V700	3.75	1.50	700	240	40	0.5
2HB37P14-2V550	3.88	1.50	550	240	30	0.5
2HB40P10-2V450	4.00	1.00	450	240	36	0.3
2HB40P14-4V500	4.00	1.50	500	240	27	0.6
2HB40P14-2V550	4.00	1.50	550	240	29	0.6
2HB44P14-2V650	4.50	1.50	650	240	31	0.5
2HB46P14-4V600	4.75	1.50	600	480	27	0.6
2HB47P20-2V650	4.88	2.00	650	240	21	0.6

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Catalog Number	Diameter	Width	Watts	Volts	Watts/ Sq.Inch	Weight (lbs.)
2HB50P14-2V700	5.00	1.50	700	240	30	0.6
2HB52P14-4V600	5.25	1.50	600	480	24	0.7
2HB53P20-2V900	5.38	2.00	900	240	27	0.8
2HB54P14-2V800	5.50	1.50	800	240	31	0.8
2HB54P30-2V1000	5.50	3.00		240		1.1
2HB56P10-2V600	5.75	1.00	600	240	33	0.5
2HB60P14-2V600	6.00	1.50	600	240	21	0.7
2HB60P14-2V850	6.00	1.50	850	240	30	0.7
2HB60P14-2V1000	6.00	1.50	1000	240	35	0.9
2HB64P14-2V900	6.50	1.50	900	240	29	0.5
2HB64P14-2V950	6.50	1.50	950	240	31	0.8
2HB64P20-2V1000	6.50	2.00	1000	240	24	1.0
2HB66P14-2V1000	6.75	1.50	1000	240	31	0.8
2HB66P20-2V1300	6.75	2.00	1300	240	31	1.0
2HB70P14-2V800	7.00	1.50	800	240	24	1.0
2HB70P14-2V950	7.00	1.50	950	240	29	0.8
2HB70P14-2V1100	7.00	1.50	1100	240	33	1.0
2HB72P20-2V900	7.25	2.00	900	240	20	0.8
2HB74P10-2V700	7.50	1.00	700	240	30	1.0
2HB74P14-2V600	7.50	1.50	600	240	17	0.9
2HB74P14-2V1000	7.50	1.50	1000	240	28	1.0
2HB74P14-2V1200	7.50	1.50	1200	240	34	0.9
2HB74P30-2V1000	7.50	3.00	1000	240	14	1.5
2HB76P14-2V1000	7.75	1.50	1000	240	27	1.0
2HB77P14-2V1000	7.88	1.50	1000	240	27	1.0
2HB80P14-2V500	8.00	1.50	500	240	13	0.9
2HB80P14-4V700	8.00	1.50	700	480	19	2.0
2HB80P14-2V950	8.00	1.50	950	240	25	0.9
2HB80P14-2V1200	8.00	1.50	1200	240	32	1.0
2HB80P14-2V1400	8.00	1.50	1400	240	37	1.0
2HB80P30-2V2250	8.00	3.00	2250	240	30	2.0
2HB84P14-2V1200	8.50	1.50	1200	240	30	1.0
2HB84P20-2V1600	8.50	2.00	1600	240	30	1.0
2HB90F10-4V1200	9.00	1.00	1200	480	43	6.1
2HB90P14-2V1300	9.00	1.50	1300	240	31	1.0
2HB90P20-2V1800	9.00	2.00	1800	240	32	2.0
2HB95PX402V3000	9.63	4.00	3000	240	25	3.0
2HB96P20-2V2000	9.75	2.00	2000	240	33	4.0
2HB100P142V1400	10.00	1.50	1400	240	30	1.3
2HB102P14-2V800	10.25	1.50	800	240	17	1.1
2HB104P14-2V750	10.50	1.50	750	240	15	4.0
2HB110P142V1600	11.00	1.50	1600	240	31	1.4
2HB110P202V2000	11.00	2.00	2000	240	29	1.4
2HB114P142V1600	11.50	1.50	1600	240	30	1.2
2HB120P144V1000	12.00	1.50	1000	480	18	2.0
2HB120P142V1350	12.00	1.50	1350	240	24	4.0
2HB120P202V2300	12.00	2.00	2300	240	31	2.0

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Type 1HB and 2HB

## Type: 2 HB

Catalog Number	Diameter	Width	Watts	Volts	Watts/ Sq.Inch	Weight (lbs.)
<b>2HB130P202V2350</b>	13.00	2.00	2350	240	29	5.0
<b>2HB130P601V1000</b>	13.00	6.00	1000	120	4	11.0
<b>2HBX130P60-1V2700</b>	13.00	6.00	2700	120	11	6.0
<b>2HB130P602V2700</b>	13.00	6.00	2700	240	11	6.0
<b>2HB136P102V1500</b>	13.75	1.00	1500	240	35	3.0
<b>2HB150P302V3000</b>	15.00	3.00	3000	240	21	7.0
<b>2HB160A202V2000</b>	16.00	2.00	2000	240	20	8.0
<b>2HB194P242V3000</b>	19.50	2.50	3000	240	20	9.0
<b>2HB220P402V3000</b>	22.00	4.00	3000	240	11	10.0