



SOUTHWEST
HEATER & CONTROLS

BACKER MARATHON

CERAMIC STRIP HEATERS

CERAMIC STRIP HEATERS



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HEATER & CONTROLS

10610 CONTROL PLACE
DALLAS, TEXAS 75238

MAIN: 214-340-7500
TOLL FREE: 800-687-2220

SALES@SWHC.COM
SWHC.COM

CERAMIC STRIP

FEATURES

- Marathon Ceramic Strip Heaters offer high temperature performance in a rugged, contamination resistant stainless steel sheath.
- They are bolt-in replacements for many of the Chromalox, GE, Watlow, and other strip heaters.
- Pricing is included in the Marathon CD and price book.



SPECIFICATIONS

- Max. Temperature = 1200°F
- Max watt density = 75 W/linear inch. 120 if 2 sides in contact with heated part
- Maximum Wattage: 120 Watts per inch of heated length, 75 if only one side is contacting the surface.
- 1½" wide, 5/16" or 3/8" thick, up to 72" long
- 5/16" x ½" mounting slots (center to center = overall length - 3/4)
- Maximum Voltage: 300V standard, 480V special
- Maximum Amperage (Leads) = 12 amps
- Maximum Amperage (Terminals) = 20 amps
- Wattage tolerance: +5%, -10%
- Resistance tolerance: +10%, -5%

OPTIONS

- S/S Braided leads for flexibility
- Button terminals
- S/S conduit for maximum lead protection
- Right angle exit available on any construction
- Dual voltage and 3 phase construction
- Spring guard upon request
- Built in thermocouple
- Europlug
- Terminal box
- Ground wire construction
- Custom mounting holes
- Ceramic terminal covers

WATT DENSITY

Watt Density formula for Strip Heaters

Wattage

(Heater Length - Cold) × Width

ORDERING INFORMATION

- Quantity
- Length and Width
- Volts/Watts
- Lead wire or Post Terminal Design
- Mounting holes or slots
- Special construction

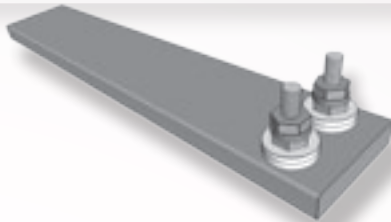
UNHEATED LENGTHS

Heaters with Tabs

Heater Style	Unheated Left End	Unheated Right End	Heated = O.A.L. minus:
SN1	2 3/8"	1 1/4"	3 5/8"
SN2	3 1/8"	1 1/4"	4 3/8"
SN3	2 3/8"	2 3/8"	4 3/4"
SN4	3 1/8"	1 1/4"	4 3/8"
SL1	---	---	---
SB1	---	---	---
SL4	2 3/8"	1 1/4"	3 5/8"
SB4	2 3/8"	1 1/4"	3 5/8"
SC4	2 3/8"	1 1/4"	3 5/8"

Heaters WITHOUT Tabs

Heater Style	Unheated Left End	Unheated Right End	Heated = O.A.L. minus:
SN1	1 1/2"	1/4"	1 3/4"
SN2	2 1/4"	1/4"	2 1/2"
SN3	1 1/2"	1 1/2"	3"
SN4	2 1/4"	1/4"	2 1/2"
SL1	---	---	---
SB1	---	---	---
SL4	3/4"	1/4"	1"
SB4	3/4"	1/4"	1"
SC4	3/4"	1/4"	1"

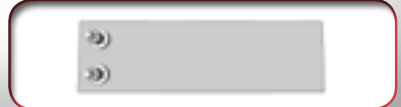


POST TERMINALS

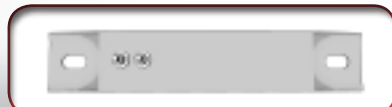
TABS

NO TABS

SN1



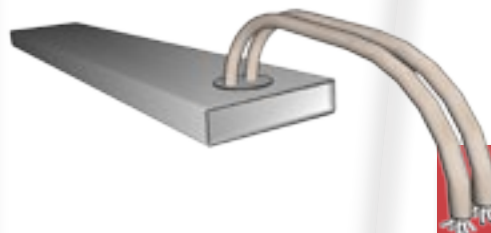
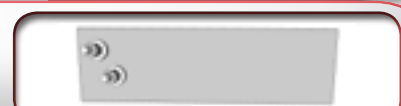
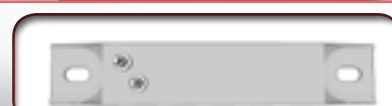
SN2



SN3



SN4



LEADS

TABS

NO TABS

SL1

~~SL1 NOT AVAILABLE WITH TABS~~

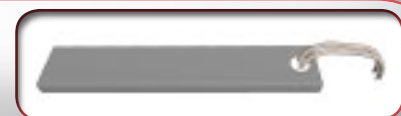


SB1

~~SB1 NOT AVAILABLE WITH TABS~~



SL4
TGGT WIRE



SB4
SS BRAID



SC4
FLEX CONDUIT



Other Backer Marathon Heater Products

Air Heaters



Cartridge Heaters



Coil Heaters



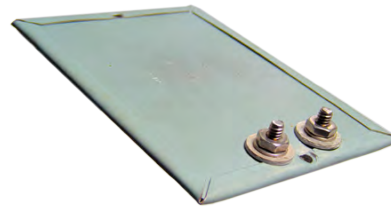
Thermocouples



Mica Band Heaters



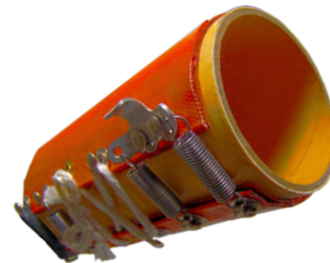
Mica Strip Heaters



Ceramic Band Heaters



Flexible Silicone Heaters



Aluminum Heaters



Flexible Tubular Heaters

