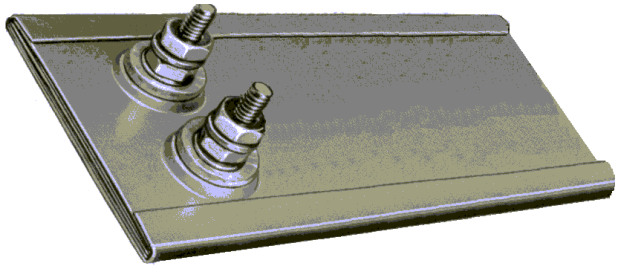
Mica Strip Heaters- Hotstrip™

HEAVY DUTY CONSTRUCTION FOR LONG LASTING SERVICE

Introduction

AKINSUN quality strip heaters are specifically designed to apply heat by conduction to flat surfaces. The performance and heater life depends upon its ability to transfer heat from the resistance winding to the flat surface quickly and evenly.



Features

1. Cost Effective
   AKINSUN dependable strip heaters are a reliable source for transferring heat at minimum of cost.

2. Uniform Heat
   Our computer calculated designs insure optimum characteristics for even heat transfer and long life.

3. Sheath
   Corrosion resistant steel sheath has good conductivity and high emmisitivity characteristics there by transferring maximum heat from heated electrical windings. Maximum sheath temperatures to 900°F(482°C).

4. Mica
   Selected mica with high dielectric strength, low electrical loss, volume resistivity, excellent thermal stability ensures quality and longer life.

5. Termination
   Almost all terminations available on band heaters are available in strip heaters. Most standard is post terminals, which will not break down under normal torque applied during tightening connections.

6. Mounting
   Provided with holes or slots for ease of mounting.

7. Resistance Wire
   A high quality nickel-chromium wire is evenly wound on selected high temperature mica to provide evenly distributed heat to the flat surface.

Applications

- Food Processing
- Sealing Bars
- Heating Of Extrusion Dies
- Compression Molding
- Platen Heating
- Packaging Equipment
- Hot Plates
- Kettles
- Vulcanizing Presses
- Incubators
- Ovens
- Testing Equipment
- Blow Molding Equipment
- Food Warming

Mica Strip Heaters

SPECIFICATIONS

NOMINAL THICKNESS:	*3/16" ± 1/32"*
MINIMUM WIDTH:	*3/4"*
WATT DENSITY:	*5 TO 40 WATTS PER SQ. IN.*
WIDTH TOLERANCE:	*± 1/32"*
LENGTH TOLERANCE:	*± 1/16 UP TO 24", ± 1/8" 24"*
SLOTS:	*9/32" x 3/8" SIZE LOCATED 5/16" FROM EDGES*
HOLES:	*9/32" DIA. LOCATED 5/16" FROM EDGES*

RESISTANCE TOLERANCE: NEMA STANDARD: +10% - 5%

WATTAGE TOLERANCE: NEMA STANDARD: +5% - 10%

Mica Strip Heater Ordering Information

Order code Example: S1162024A06

S 116 2024 A 06

STRIP HEATER

WIDTH: 1 1/2"

LENGTH: 20 3/4"

TYPE OF HEATER

MANUFACTURING CODE*

*Assigned at the time of manufacturing

FRACTION	CODE
1/32	*01*
1/16	*02*
1/8	*04*
1/4	*08*
1/2	*16*
5/8	*20*
3/4	*24*

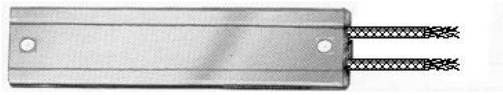
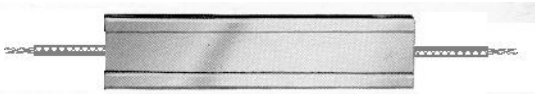
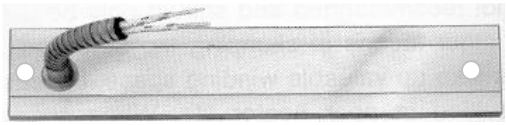
Mica Insulated Strip Heaters

SELECTOR GUIDE

TYPE	DESCRIPTION	
A	**Post terminal**. *Terminals are provided at one end across width. Facilitates wiring for making connections coming from one end. Available in width 2" and wider.*	
B	**Post Terminals each end**. *This terminal arrangement is good when heaters have to be connected in parallel and the wiring is coming from each end.* *Available in width 3/4" and wider*	
C	**Post terminal on one end.** *Terminals are provided in line parallel to the length of the heater. This provides ease of wiring and making parallel connections.*	
D	**Leads one end**. *Lead wire is internally connected exiting from one end. Standard lead length is 12" and is rated to 250°C, 600V. Available in width 1" and wider.*	
E	**Lead each end**. *Fiberglass insulated leads are internally connected and exit from each end for ease of wiring. Lead length is 12" and are rated to 250°, 600V mounting holes can be provided to contour from the path of leads or vice versa.*	
F	**Leads off top one end.** *Leads exit off top through a bump on one side. Leads are fiberglass insulated 12" long. Rated at 250°C, 600V. This termination is good where there is no room for leads from the edge of the heater.*	

Mica Insulated Strip Heaters

SELECTOR GUIDE

TYPE	DESCRIPTION	
G	**Metal braid leads one end**. *For extra protection and strength leads are covered with stainless steel metal braid. Leads are internally connected and exit one end for ease of wiring. Available in width 1" and wider.*	
H	**Metal braid leads each end**. *Leads are at each end and are protected by stainless steel metal braid. Lead length is 12" each end. Rated at 250°C, 600v. Available in width 3/4" and wider.*	
J	**Armor cable leads**. *Armor conduit exiting from one end protects leads. 10" conduit is standard with 2" leads extending beyond.*	

OTHER TYPES AND TERMINATION'S

TYPE	DESCRIPTION
K	*Metal braid leads off top the heater from one end. Similar to type "J" heater.*
L	*Armor covered leads each end from top of heater.*
M	*Terminal box cover on type "A" heater with post terminals for protection against exposed live terminals.*
N	*Twist lock plug on top of heater. Terminal box has knockout holes for ease of wiring.*
P	*High temperature quick disconnects plug on 2" and wider width heaters.*

TYPE	DESCRIPTION
Q	*Post terminals are off set for parallel hook up on one end of heaters.*
R	*Button terminal with 10-32 thread for low profiles connection. Terminal arrangements as shown in type "A" heaters.*
S	*Button Terminal with 10-32 thread for low profile connection. Terminal arrangement as shown in type "B" heaters.*
T	*Button Terminal with 10-32 thread for low profile connection. Terminal arrangements as shown in type "C" heaters.*

Additional Strip Heater Information

1. Ceramic terminal cover. Used to protect and insulated post terminals standard is 10-32 screw. Also available in 8-32 size. Please specify.
2. Grounded leads or terminal.
3. Special holes and cut out. Please provide drawing or detail description.
4. Dual voltage.
5. Sheath material like stainless steel.
6. Mounting holes or slots. Standard is 9/32" holes and 9/32" x 3/8" slots.
7. Four sides closed. Sheath closed on all four sides for protection against contamination.
8. Butt case: Case of strip heater butts against each other to be used in mill slot between two steel plates.

Standard Sizes and Ratings

WIDTH IN.	SHEATH LENGTH IN.	VOLTS	WATTS	WATT DENSITY	CATALOG NO.
1	6	120	100	18	S1000600C01
1	6	240	100	18	S1000600C02
1	8	120	160	21	S1000800C01
1	8	240	160	21	S1000800C02
1	12	120	175	15	S1001200C01
1	12	240	175	15	S1001200C02
1	18	120	250	15	S1001800B01
1	18	240	250	15	S1001800B02
1½	5	120	75	11	S1160500D01
1½	5	240	75	11	S1160500D02
1½	6	120	250	30	S1160600C01
1½	6	240	250	30	S1160600C02
2	4	120	120	14	S2000400A01
2	4	120	125	14	S2000400A02
2	4	240	125	14	S2000400A03
2	8	120	150	10	S2000800A01
2	8	240	150	10	S2000800A02
2	12	120	360	16	S2001200F01
2	12	240	360	16	S2001200F02
2½	5½	120	150	15	S2160516A01
2½	6½	240	150	15	S2160616A02
2½	9	120	350	19	S2160900A01
2½	9	240	350	19	S2160900A02
2½	11	120	722	28	S2161100D01
2½	11	240	722	28	S2161100D02
3	4½	120	150	13	S3000416A01
3	4½	240	150	13	S3000416A02
3	7¾	120	500	23	S3000724D01
3	7¾	240	500	23	S3000724D02
4	4	120	225	16	S4000400A01
4	4	240	225	16	S4000400A02
4	8	120	425	14	S4000800A01
4	8	240	425	14	S4000800A02
4	12	120	600	13	S4001200A01
4	12	240	600	13	S4001200A02

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