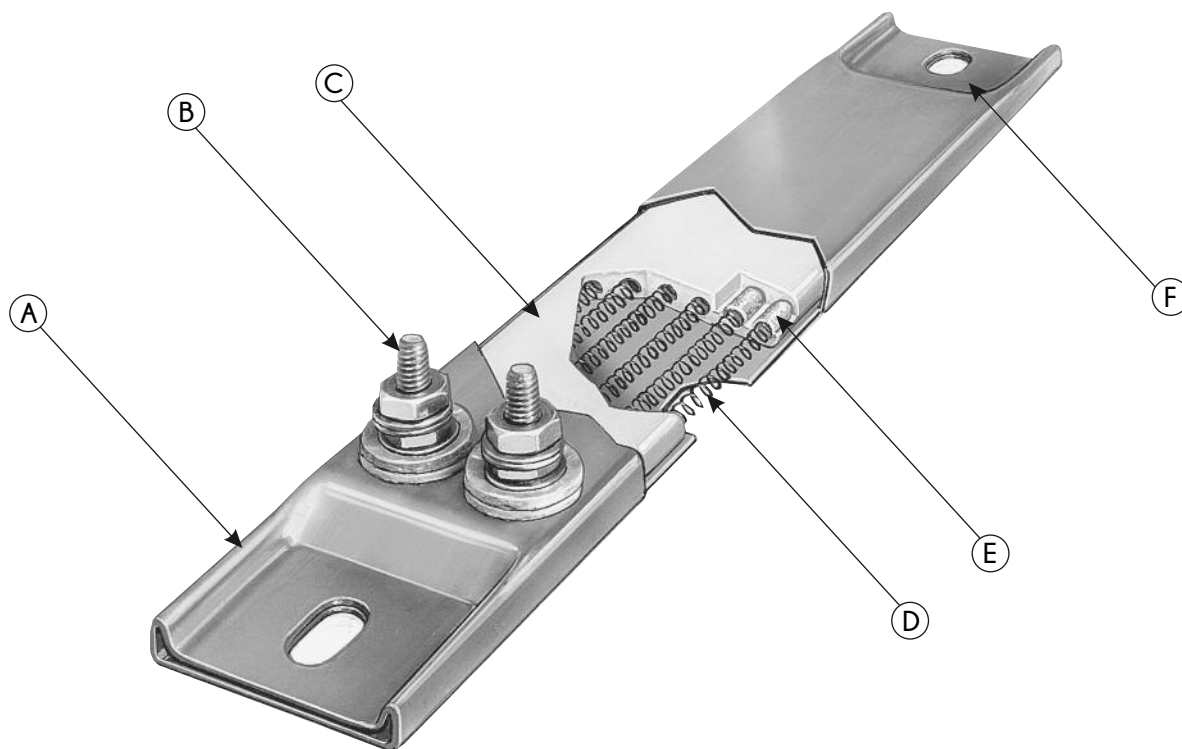# Heat-Edge

HeatSenze™
Reliability MATTERS !

STRIP HEATERS

Ⓐ Type 304 Stainless Steel sheath provides the best combination of physical strength and resistance to high temperatures and chemical corrosion. Dependable at sheath temperatures of up to 1200°F (650°C).

Ⓑ Stainless Steel 10-32 threaded screws are standard and securely fastened . Various termination configurations and options are available.

Ⓒ Specially selected and designed ceramic insulator houses the resistance wire coil, insulating it from outer sheath.

Ⓓ Helically wound resistance wire coil made from nickel-chrome wire is evenly stretched and precisely strung through the ceramic insulator, providing uniform heat. Resistance wire is then mechanically connected to screw terminals or lead wires for a strong positive joint.

Ⓔ A custom mixture of several high purity magnesium oxide grain sizes, chosen to increase thermal conductivity and dielectric strength, are used to fill all remaining space inside and around the ceramic insulator. Voids are densely packed.

Ⓕ Channel strip heaters are available with or without mounting tabs. If without, the ends are welded shut to prevent moisture and contaminants from entering the heater. Tabs are not available on 1/4" thick by 5/8" wide heaters.

Features

· A reliable heat source with seamless stainless steel sheath
· For flat surface mounting installations
· Used in hundreds of industrial and commercial heating application

Typical Applications

· Ovens
· Hot plates
· Dies
· Molds
· Drying
· Melting
· Baking
· Incubators

· Platens
· Food warmers
· Welding preheating
· Air heating
· Sealing bars
· Thermoforming
· Tank heating

Sensing Technology Corporation ● 457-B Boni Avenue New Zaniga Mandaluyong City ● www.heatsenze.com ● sales@heatsenze.com ● Tel No. 532-0088 ● Fax No. 531-7387

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Heat-Edge

HeatSenze™
Reliability MATTERS !

STRIP HEATERS
SCREW TERMINAL TERMINATIONS

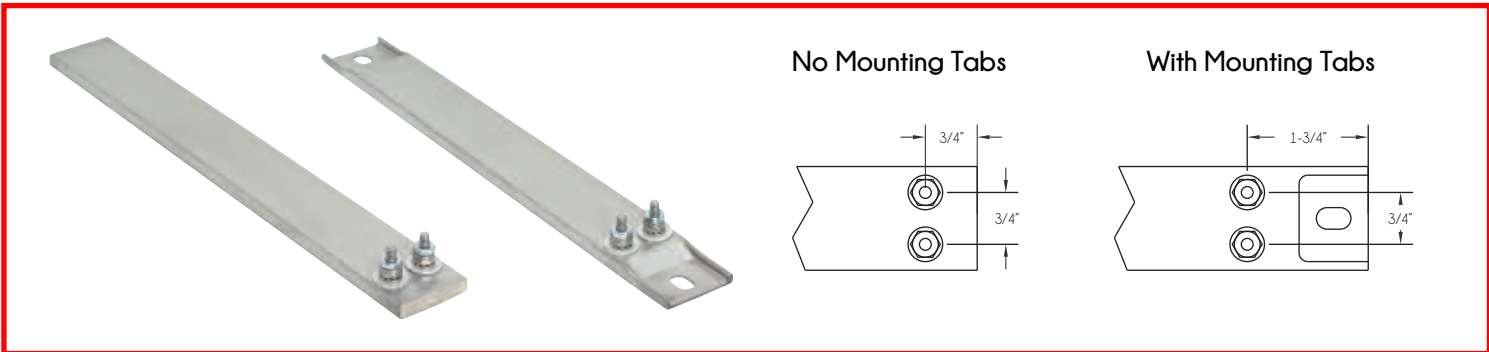**HE-ST1** • Strip Heater With Screw Terminals At Each End • Available on 1" and 1-1/2" wide heaters

No Mounting Tabs   With Mounting Tabs

3/4"   1-3/4"   5/16" x 1/2"   1/2"
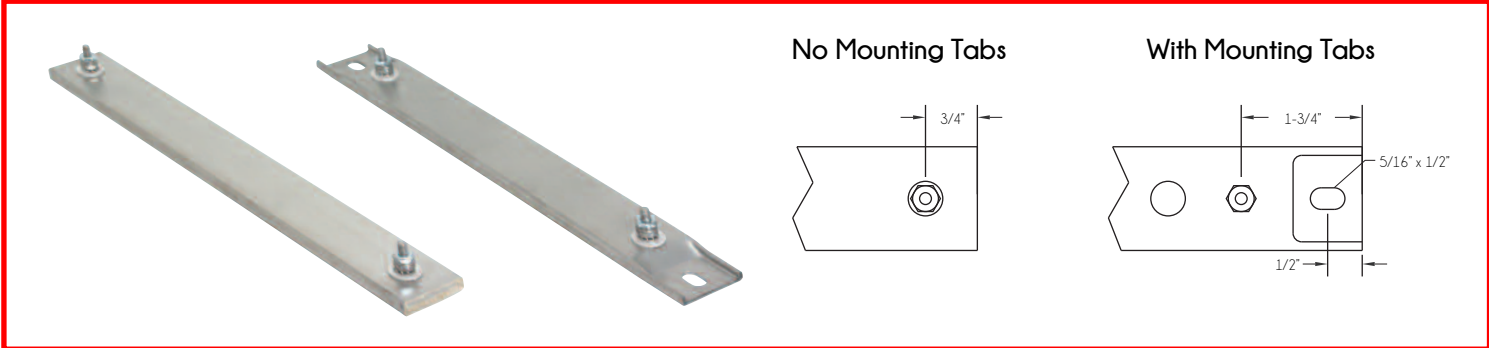
HE-ST2 • Strip Heater With Screw Terminals At One End, Tandem • Available on 1" and 1-1/2" wide heaters

No Mounting Tabs   With Mounting Tabs

3/4"   3/4"   3/4"   1-3/4"
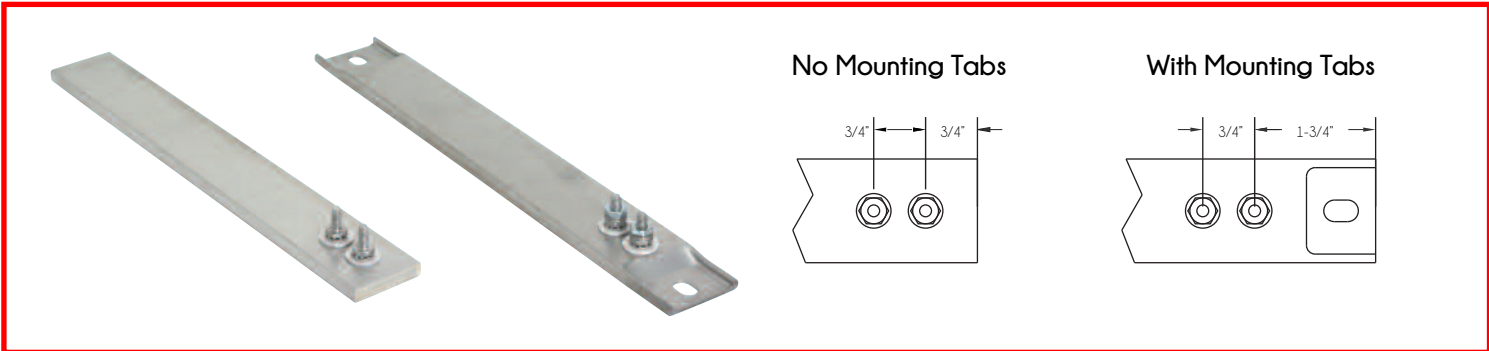
HE-ST3 • Strip Heater With Screw Terminals At One End, Parallel • Available on 1" and 1-1/2" wide heaters only

No Mounting Tabs   With Mounting Tabs

3/4"   3/4"   1-3/4"   3/4"

HE-ST4 • Strip Heater With Screw Terminals At Each End, Offset • Available on 1" and 1-1/2" wide heaters only

No Mounting Tabs   With Mounting Tabs

3/4"   3/4"   3/4"   3/4"   1-3/4"   3/4"
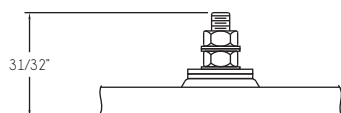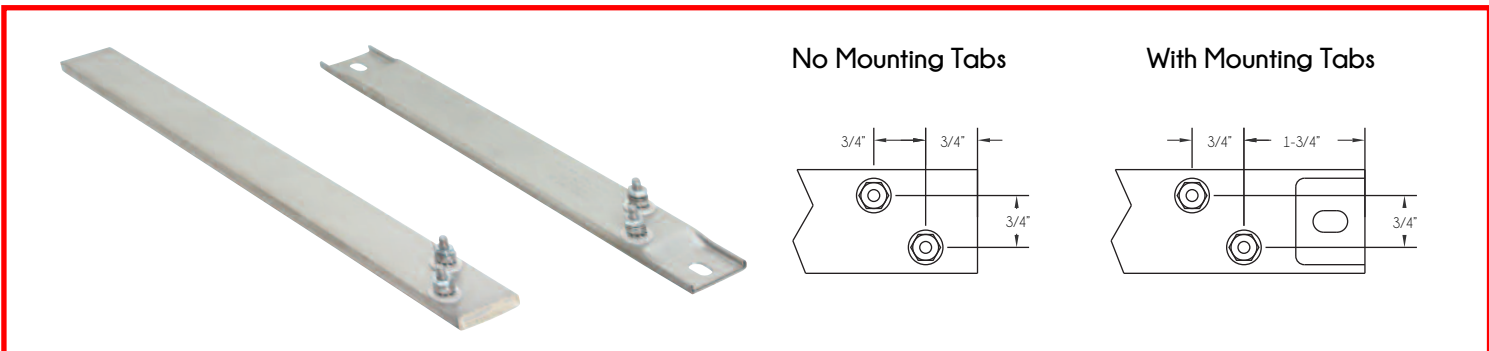
31/32"   **10-32 Screw Terminal Height**

Heat-Edge

HeatSenze™
Reliability MATTERS !

FINNED STRIP HEATERS

Finned strip heaters are extremely efficient and dependable as a heat source for hundreds of industrial and commercial applications. They are used for both forced (mounted in a duct) and natural convection air heating (mounted at the bottom of cabinet type ovens).

The finned strip heater's basic design consists of a helically wound resistance coil placed in a specially designed ceramic insulator. The resistance coil is mechanically connected to the screw terminal for positive connection. Stainless steel rectangular tubing is used to house the heater assembly. All remaining voids are filled with high purity magnesium oxide to increase thermal conductivity and dielectric strength.

Nickel-plated steel fins (stainless steel optional) are mounted to the rectangular tubing. The fins have been specially designed to provide maximum surface contact for good heat dissipation into the finned cross sections, thus resulting in rapid heat transfer to the air.

Design Features

- Rugged durable construction
- Stainless steel sheath
- Nickel-plated steel fins (stainless steel optional)
- Various termination
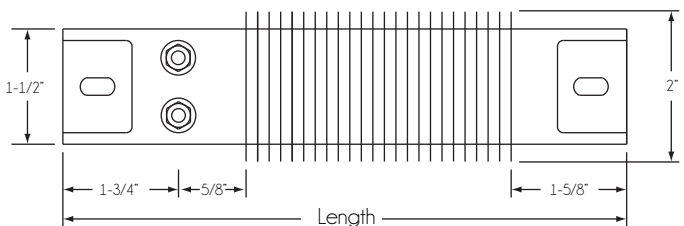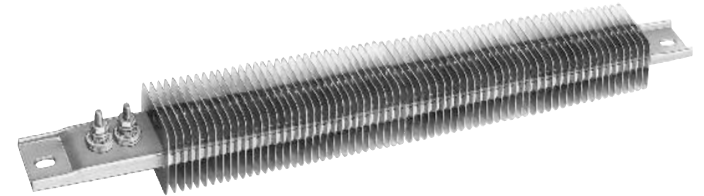- Trouble-free installation

Typical Applications

- Duct heating
- Space heating
- Drying ovens
- Food warmers
- Dehumidifier
- Shrinking tunnels
- Air heating
- Heat curing
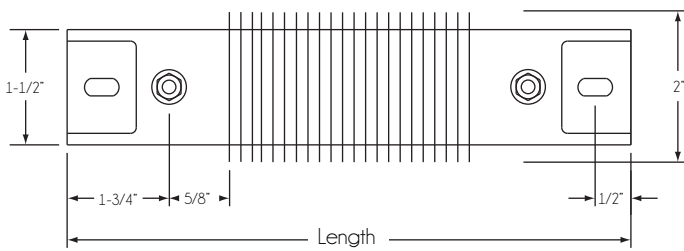
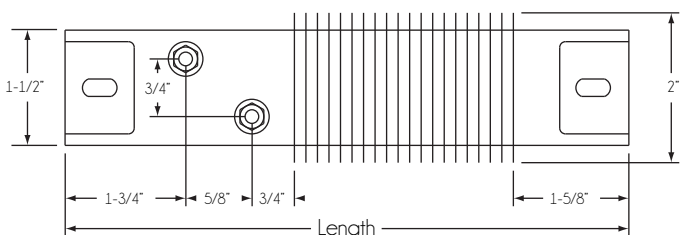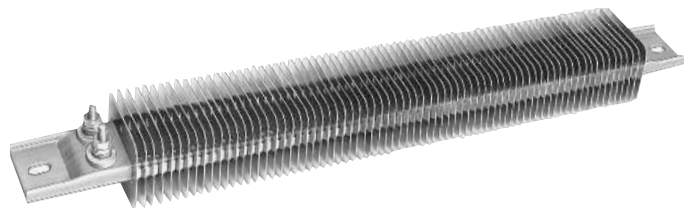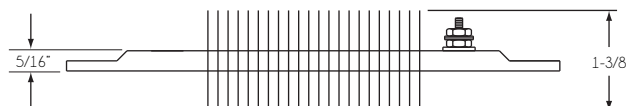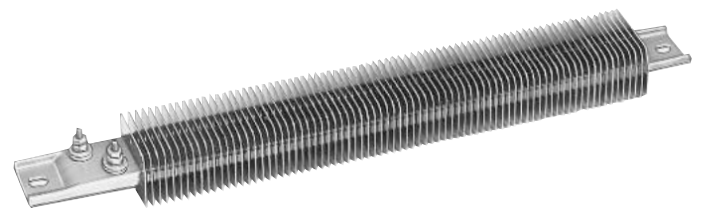**HE-ST1F** – Finned Strip Heater With Screw Terminals At Each End
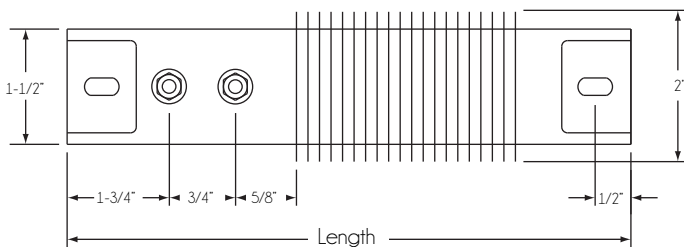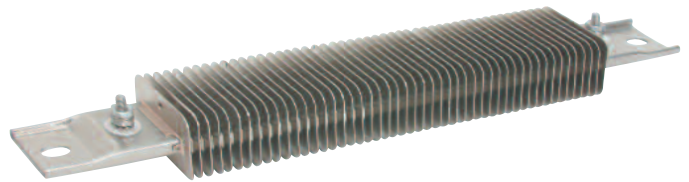
HE-ST2F – Finned Strip Heater With Screw Terminals At One End, Tandem

HE-ST3F – Finned Strip Heater With Screw Terminals At One End, Parallel

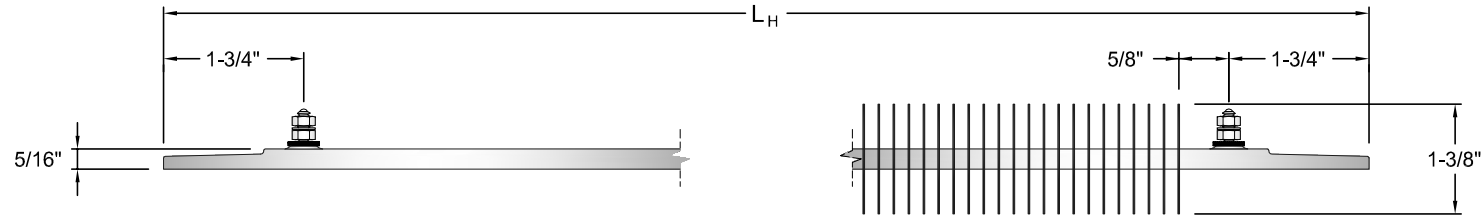**HE-ST4F** – Finned Strip Heater With Screw Terminals At One End, Offset

Fin Height

Sensing Technology Corporation • 457-B Boni Avenue New Zaniga Mandaluyong City • www.heatsenze.com • sales@heatsenze.com • Tel No. 532-0088 • Fax No. 531-7387

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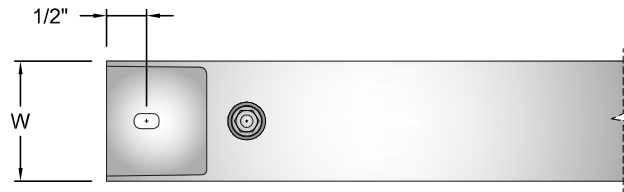# STRIP / FINNED STRIP HEATER

Heat-Edge®

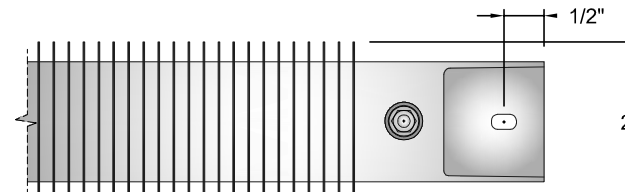To Order :   Please specify the complete assembly, indicate the code letter or value for each option.

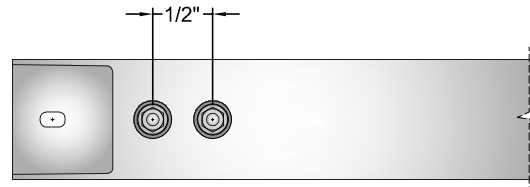| Model	Length - L_H	Width	Wattage	Supply

L_H

1-3/4"

5/8"   1-3/4"

5/16"

1-3/8"

HE - ST1

1/2"

W

1/2"

2"

HE - ST1F

HE - ST2

1/2"

1/2"

HE - ST2F

HE - ST3

3/4"

3/4"

HE - ST3F

HE - ST4

3/4"
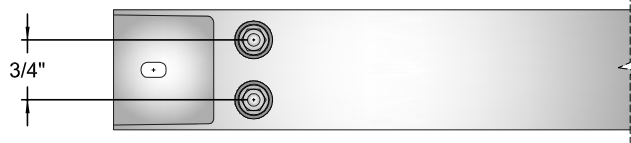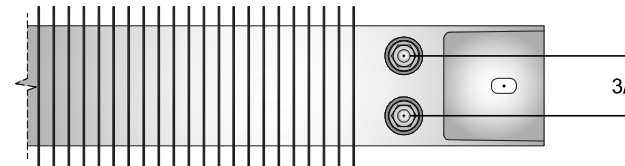
3/4"

HE - ST4F

STRIP / FINNED STRIP HEATER ORDER CODE TABLE

Heat-Edge®

To Order : Please specify the complete assembly, indicate the code letter or value for each option.
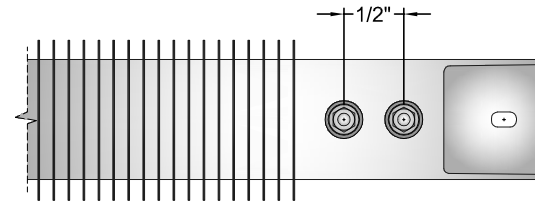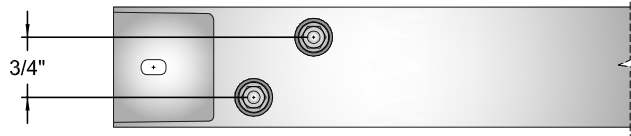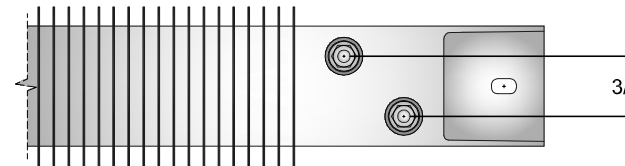
Model	Length - L$_H$	Width	Wattage	Supply

Width	Description
1	Width - 25mm
2	Width - 38mm

Model	Description
HE - ST1	Strip Heater With Screw Terminals At Each End
HE - ST2	Strip Heater With Screw Terminals At One End, Tandem
HE - ST3	Strip Heater With Screw Terminals At One End, Parallel
HE - ST4	Strip Heater With Screw Terminals At One End, Offset
HE - ST1F	Finned Strip Heater With Screw Terminals At Each End
HE - ST2F	Finned Strip Heater With Screw Terminals At One End, Tandem
HE - ST3F	Finned Strip Heater With Screw Terminals At One End, Parallel
HE - ST4F	Finned Strip Heater With Screw Terminals At One End, Offset

Example:

HE - ST1F	200	2	1000	220

- Finned Strip Heater With Screw Terminals At Each End
- 200mm..... Length
- 38mm....... Width
- 1,000 Watts
- 220 Vac