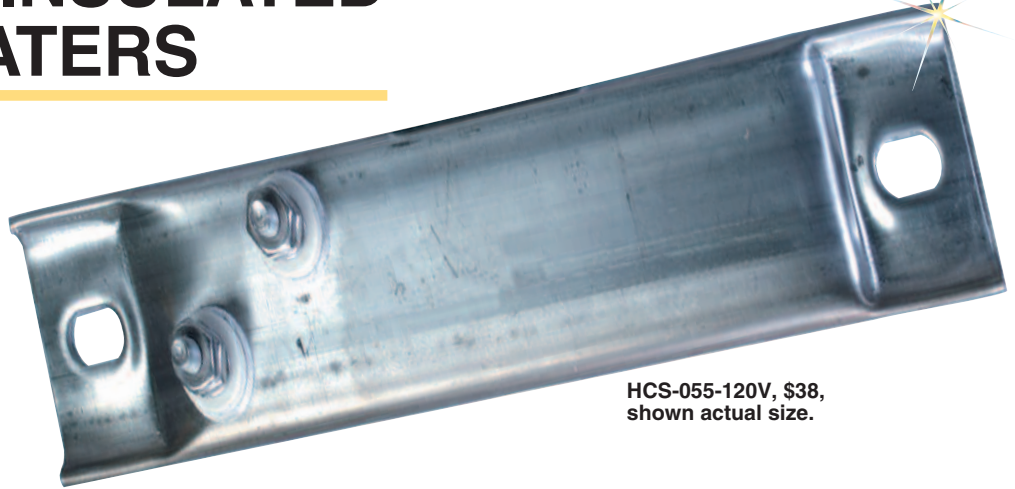


CERAMIC-INSULATED STRIP HEATERS

HCS Series
Starts at
\$38



HCS-055-120V, \$38, shown actual size.

APPLICATIONS

- ✓ Dies
- ✓ Molds
- ✓ Plastic Forming and Sealing
- ✓ Tank and Kettle Heating

(For specific applications, correctly rated elements should be used to prevent overheating and to ensure long life)

FEATURES

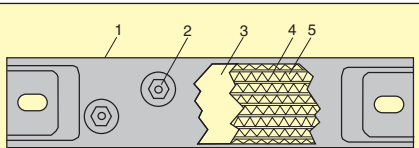
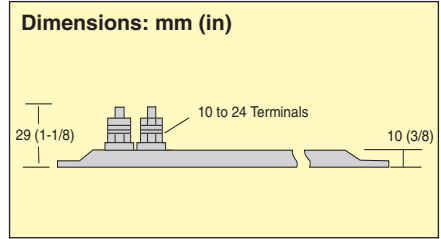
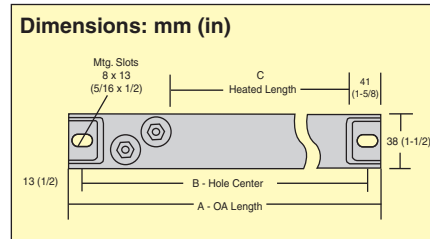
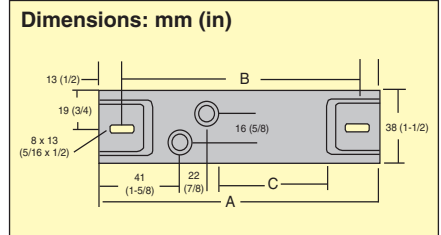
The HCS Series stainless steel strip heaters provide clean, dependable heat with sheath temperatures up to 649°C (1200°F) and watt densities up to 40 W per square inch. Because of the seamless stainless steel sheath, these ceramic-insulated strip heaters are dimensionally stable in milled slots.

Formula for Determination of Watt Density

$$\text{Watts/sq. in.} = \frac{\text{Total unit wattage}}{C (\text{heated length}) \times 3}$$

Standard Termination

Offset at one end



CONSTRUCTION

1. Seamless stainless steel sheath
2. Post terminals
3. Ceramic element support
4. Element wire situated close to outside surface for maximum heat transfer and minimum internal temperature while preserving good dielectric qualities
5. Magnesium oxide packing

Tolerances

Width: 1.500" ±0.010"

Length:

Up to 24": ±1/16"

24" and Over: ±1/8"

Thickness: 0.375" ±0.005"

Wattage Tolerances:

-10 to 5% at rated voltage

Recommended Reference Book:
Engineering Design Process,
PE-1010, \$125. See Section Y
for Additional Books.



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description	Watts	Dimensions: cm (in)		
				A	B	C
HCS-055-120V	\$38	Strip heater	150	13 (5)	10 (4)	3 (1)
HCS-055-240V	38	Strip heater	150	13 (5)	10 (4)	3 (1)
HCS-080-120V	40	Strip heater	250	20 (8)	18 (7)	5 (2)
HCS-080-240V	40	Strip heater	250	20 (8)	18 (7)	5 (2)
HCS-081-120V	40	Strip heater	330	20 (8)	18 (7)	5 (2)
HCS-081-240V	40	Strip heater	330	20 (8)	18 (7)	5 (2)
HCS-105-120V	40	Strip heater	300	25 (10)	23 (9)	13 (5)
HCS-105-240V	40	Strip heater	300	25 (10)	23 (9)	13 (5)
HCS-120-120V	44	Strip heater	500	30 (12)	28 (11)	18 (7)
HCS-120-240V	44	Strip heater	500	30 (12)	28 (11)	18 (7)
HCS-121-120V	44	Strip heater	750	30 (12)	28 (11)	18 (7)
HCS-121-240V	44	Strip heater	750	30 (12)	28 (11)	18 (7)
HCS-152-120V	46	Strip heater	500	38 (15)	36 (14)	25 (10)
HCS-152-240V	46	Strip heater	500	38 (15)	36 (14)	25 (10)
HCS-180-120V	50	Strip heater	750	46 (18)	43 (17)	30 (12)
HCS-180-240V	50	Strip heater	750	46 (18)	43 (17)	30 (12)
HCS-181-120V	50	Strip heater	1250	46 (18)	43 (17)	30 (12)
HCS-181-240V	50	Strip heater	1250	46 (18)	43 (17)	30 (12)
HCS-237-240V	57	Strip heater	1000	58 (23)	56 (22)	46 (18)
HCS-300-240V	65	Strip heater	2000	76 (30)	74 (29)	61 (24)
HCS-357-240V	74	Strip heater	2500	35 (89)	86 (34)	76 (30)

Comes complete with operator's manual.

Ordering Examples: HCS-080-120V, strip heater, 250 W, \$40.

HCS-180-120V, strip heater, 750 W, \$50.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
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CANADA

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1-800-TC-OMEGA

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

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• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters