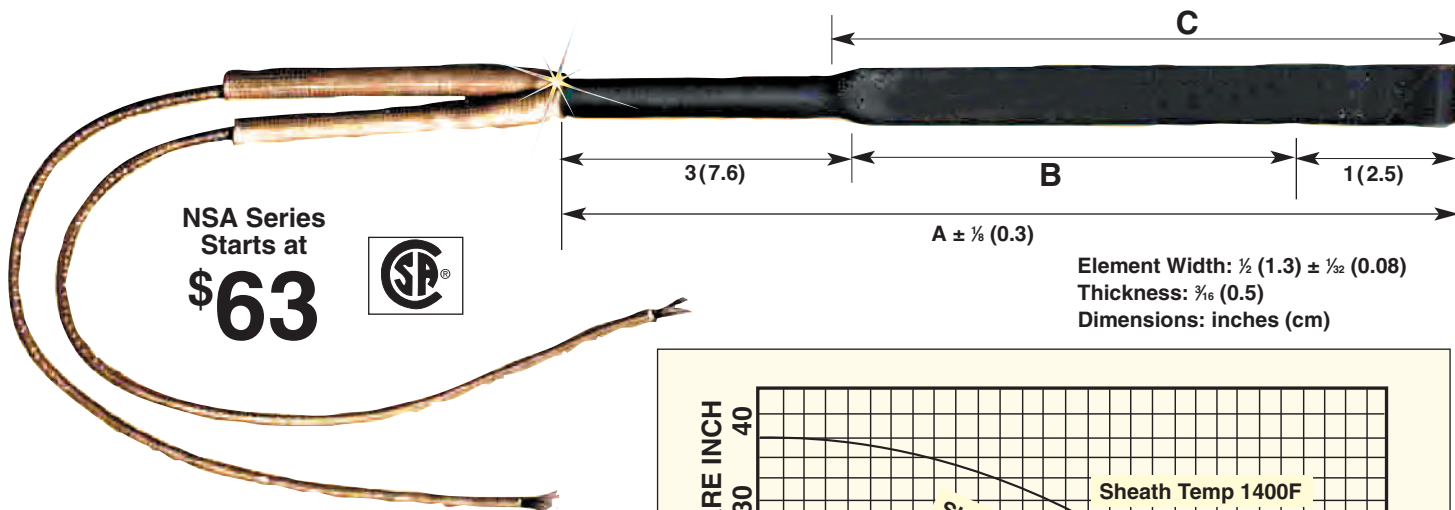


# HIGH TEMPERATURE STRIP HEATERS



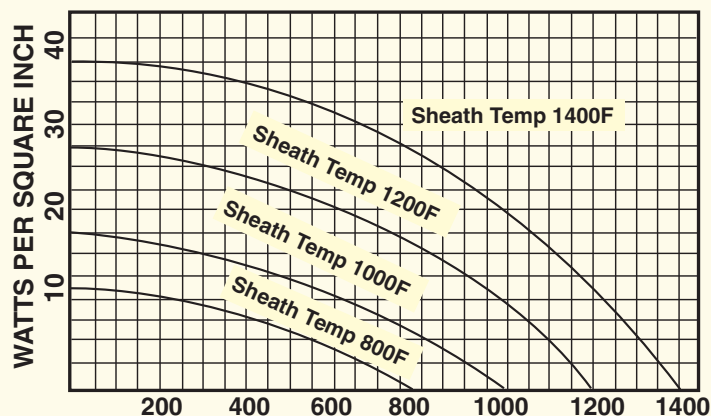
NSA Series  
Starts at  
**\$63**



Element Width:  $\frac{1}{2}$  (1.3)  $\pm$   $\frac{1}{32}$  (0.08)  
Thickness:  $\frac{3}{16}$  (0.5)  
Dimensions: inches (cm)

- ✓ Rugged, Reliable, Premium Quality
- ✓ 125 to 400 Watts
- ✓ Seamless Construction
- ✓  $\frac{1}{2}$ " (1.27 cm) Slim Design for Space Restricted Applications

Dimension A = Total Length  
Dimension B = Heated Length  
Dimension C = Flattened Length



$$\text{AMBIENT TEMPERATURE} = (\text{SHEATH TEMP} + \text{MATERIAL TEMP}) \div 2$$

**Figure C-11-** allowable watt density of clamped-on Omegalux tubuler units for various ambient temperatures and sheath temperatures.

The NSA series high temperature strip heater features a slim  $\frac{1}{2}$ " (1.27 cm) wide mini-size construction similar to NS type. The heater design, materials and construction give long life for given power densities. The Incoloy sheath encloses nickel-chromium resistance wire embedded in a densely compacted refractory material selected for dielectric insulation value and good heat conduction to the sheath. The small cross-section is often an advantage where space is a factor.

## FEATURES

$\frac{3}{16}$ " (0.5 cm) thick x  $\frac{1}{2}$ " (1.27 cm) wide mini-size construction similar to NS type. The heater design, materials and construction give long life for given power densities. The Incoloy sheath encloses nickel-chromium resistance wire embedded in a densely compacted refractory material selected for dielectric insulation value and good heat conduction to the sheath. The small cross-section is often an advantage where space is a factor.

## SPECIFICATIONS

**Sheath Material:** Incoloy  
**Max. Sheath Temp.:** 815°C (1500°F)  
**Power:** 120 or 240 Vac

**CAUTION AND WARNING**  
Fire and electrical shock may result if products are used improperly or installed or used by non-qualified personnel. See inside back cover for additional warnings.

**STOCKED FOR FAST DELIVERY**

To Order (Specify Model Number)									
Dimension-Inches (cm)									
Heated Length A	B	C	Watts	W/In <sup>2</sup>	Volts	Model No.	Price	Wt. lb (kg)	
7 $\frac{1}{16}$ (18)	3 $\frac{3}{16}$ (8)	5 $\frac{5}{16}$ (13)	125	32	120	NSA-711	\$63	0.20 (0.09)	
10 $\frac{1}{16}$ (27)	6 $\frac{1}{16}$ (17)	8 $\frac{5}{16}$ (21)	300	20	120	NSA-1013	67	0.28 (0.12)	
11 $\frac{1}{8}$ (28)	7 $\frac{1}{8}$ (18)	9 $\frac{3}{8}$ (24)	350	22	240	NSA-1123	69	0.38 (0.17)	
13 $\frac{3}{4}$ (35)	9 $\frac{3}{4}$ (24)	12 (30)	200	11	240	NSA-1422	72	0.47 (0.21)	
14 $\frac{3}{8}$ (36)	10 $\frac{3}{8}$ (26)	12 $\frac{3}{8}$ (32)	200	7	120	NSA-1412	72	0.49 (0.45)	
16 $\frac{1}{4}$ (41)	12 $\frac{1}{4}$ (31)	14 $\frac{1}{2}$ (37)	400	19	240	NSA-1624	75	0.56 (0.25)	

<sup>†</sup> To determine maximum allowable watt density, see Figures C-8 or C-9.

**Ordering Examples:** NSA-711, high temperature strip heater, 120 Vac, \$63.  
NSA-1624, high temperature strip heater, 240V, \$75.



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