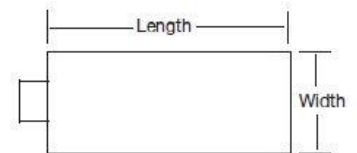


COMPOSITE BONDING

The composite bonding industry is a large field that is expanding into a variety of areas. One of the primary fields that utilize flexible heaters for curing is the aerospace industry. We offer a list of heaters commonly used for composite bonding and curing. The design includes equal length circuits and a no-heat tab for temperature uniformity. Also, the contact surface is made of a smooth silicone to prevent composite surface imperfections. The heaters are fiberglass reinforced to provide lasting field service durability and life.



Performance Capabilities

- Watt density up to 5 W/in² (0.8 W/cm²)
- Voltage of 120VAC/240VAC (option) single phase
- UL® recognized

Features and Benefits

- Customized leads: Up to 30 foot of lead length
- Field service ease: Makes on-site repairs possible
- Equal length circuits — min. 2 x 2 in. (51 x 51 mm) tab with radius creates temperature uniformity
- Smooth contact surface prevents composite surface imperfections

Wire-Wound Elements

- Thickness 0.055 in. (1.4 mm)
- Lead length 12 in. (305 mm) UL® 1180 Teflon®
- UL® component recognition
- Wire-wound elements rated at 5 W/in²
- Length doesn't include 2" (51 mm) tab for leads
- Smooth surface

Wire-Wound Elements — Composite Bonding Applications

Width in. (mm)	Length in. (mm)	Watts	120VAC Code Number	120/240VAC Code Number
6 (152)	6 (152)	180	L060080C1	L060080C2
	6 (152)	180		
	10 (254)	300	L060120C1	L060120C2
	10 (254)	300		
8 (203)	8 (203)	320	L080100C1	L080100C2
	8 (203)	320		
	12 (305)	480	L080140C1	L080140C2
	12 (305)	480		
10 (254)	10 (254)	500	L100120C1	L100120C2
	10 (254)	500		
	12 (305)	600	L100140C1	L100140C2
	12 (305)	600		
	18 (457)	900	L100200C1**	L100200C2
	18 (457)	900		
12 (305)	12 (305)	720	L120140C1**	L120140C2
	12 (305)	720		
	18 (457)	1080	L120200C1**	L120200C2**
	18 (457)	1080		
	24 (610)	1440	L120260C1**	L120260C2**
	24 (610)	1440		
16 (406)	16 (406)	1280	L160180C1**	L160180C2**
	16 (406)	1280		
18 (457)	18 (457)	1620	L180200C1**	L180200C2**
	18 (457)	1620		
20 (508)	20 (508)	2000	L200220C1*	L200220C2**
	20 (508)	2000		

* Thermostat option is not available for this heater.

** Only T207 thermostat option is available.

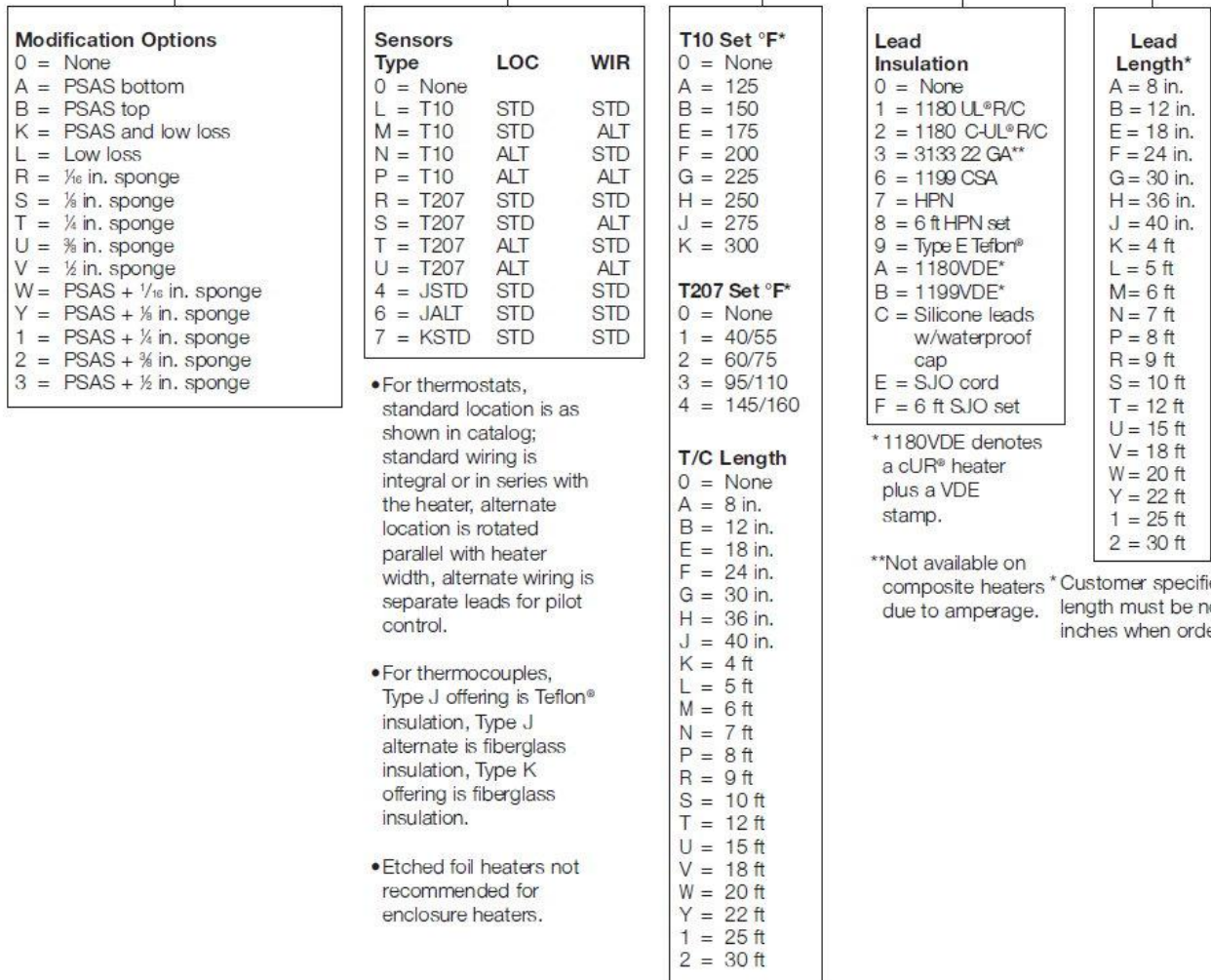
Etched Foil Elements – Coding Configured Options

Composite Heaters “L”

To order, complete the code number with the information below:

Composite Flexible Stock Heaters

L



- For thermostats, standard location is as shown in catalog; standard wiring is integral or in series with the heater, alternate location is rotated parallel with heater width, alternate wiring is separate leads for pilot control.

- For thermocouples, Type J offering is Teflon® insulation, Type J alternate is fiberglass insulation, Type K offering is fiberglass insulation.

- Etched foil heaters not recommended for enclosure heaters.

* 1180VDE denotes a cUR® heater plus a VDE stamp.

**Not available on composite heaters due to amperage. * Customer specified length must be noted in inches when ordering.

RAPID SHIP

• 2 to 5 day shipment