

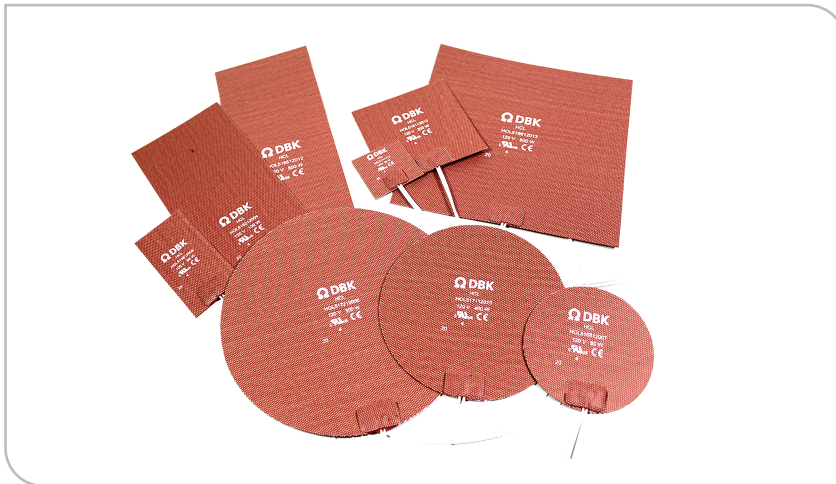
**Flexible Silicon Heaters**

**Design Information**

- Computer designed chemically etched foil tracks are laminated between sheets of silicone to give precise even heating. Suitable for both low and high volume production, etched foil heaters have low mass allowing for rapid heat up with precise temperature control.

**Characteristics**

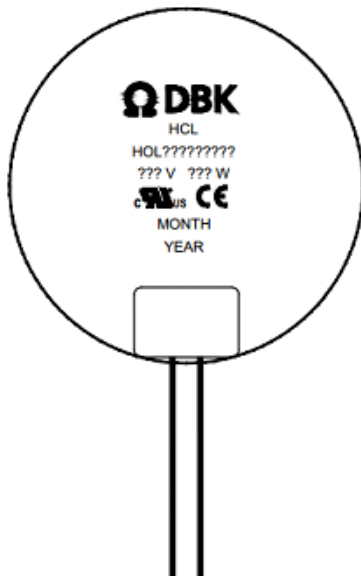
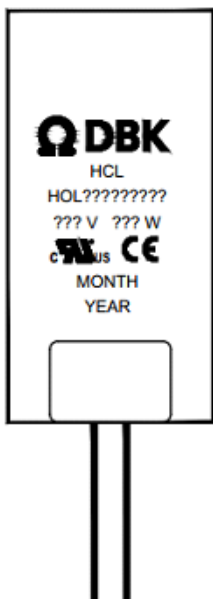
- Etched foil heaters have good resistance to the following; weather & ageing, fungus & bacteria, acetone, alcohol, formic acid, brake fluid, acetic acid, greases, hydrochloric acid 10%, sulphuric acid 10%, waxes and plasticizers. In addition to this the heaters have adequate gas permeability and good steam resistance up 266°F or 2.5 Bar respectively.



Square/Rectangular				Round			
Item #	Dimensions	Voltage	Power	Item #	Dimensions	Voltage	Power
FH300101	2" x 4"	120V	40W	FH300112	4" Dia	120V	40W
FH300102	2" x 4"	120V	60W	FH300113	4" Dia	120V	80W
FH300103	2" x 4"	120V	100W	FH300114	4" Dia	120V	120W
FH300104	4" x 4"	120V	200W	FH300115	6" Dia	120V	200W
FH300105	4" x 8"	120V	100W	FH300117	6" Dia	120V	400W
FH300107	4" x 8"	120V	400W	FH300119	8" Dia	120V	300W
FH300108	4" x 11"	120V	150W	FH300120	8" Dia	120V	500W
FH300110	4" x 11"	120V	500W	FH300122	4" Dia	12V	40W
FH300111	8" x 8"	120V	800W	FH300123	4" Dia	12V	80W
FH300121	2" x 2"	12V	50W	FH300124	4" Dia	12V	120W
FH300125	2" x 2"	24V	50W	FH300126	4" Dia	24V	40W
				FH300127	4" Dia	24V	80W
				FH300128	4" Dia	24V	120W

DBK's knowledge of thermal management gives us the experience to guide and support you with your technical challenges - we can manage the complete project from concept to full production release.

**Layout**



**Construction**

- Heaters are approximately 0.05" thick.
- Operating Temp range -76°F to 446°F.
- UL Approved.
- 19.5" 22awg PTFE Leads.
- Non Adhesive.
- Material - One layer 8/8, One Layer Arlon.

**Installation**

- Etched foil heaters are intended for use in industrial electric apparatus. They correspond to BS EN60335-1:2012. The heater has to be operated in accordance with these standard and regulations and should be installed on an electrical system protected by a residual current circuit breaker.



DBK 012822. This information is subject to change without notice. Data is given for illustration purposes only and does not release the customer from independent application tests