



# KAPTON® HEATER KIT

KH-KIT-EFH-15001

£67



- ✓ Withstands Temperature Extremes from -200 to 200°C (-328 to 392°F)
- ✓ Excellent Tensile Strength and Tear Resistance
- ✓ Low Out-Gassing
- ✓ Wattage of 2.5, 5, or 10 W/in
- ✓ Small, Flexible Radius (0.8 mm Minimum)

The Kapton® heater kit contains thin and flexible heaters with adhesive backing to conform to practically any flat or curved surface. With 15 different shapes, this kit can suit almost any application. Heater configurations are outlined on a 300 mm square sheet, with line markings for easy selection and cutout. When used in combination, these heaters can provide a number of resistances and wattages. Leads can be soldered on or connected with alligator clips.

### SPECIFICATIONS

**Thickness:** 0.203 mm (0.008")

**Maximum Operating Temperature:**

**Kapton®:** 200°C (392°F)

**Adhesive Backing**

**(Continuous Use):** 149°C (300°F)

**Adhesive Backing**

**(Short Time Periods):**

Up to 232°C (450°F)

**Dielectric Strength:** 1000 Vac min

**Recommended Leads:**

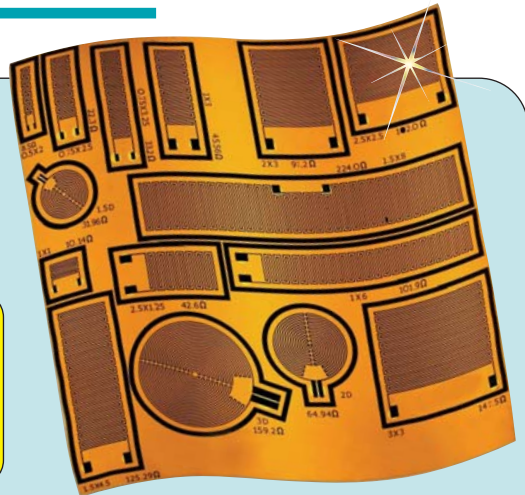
### Current Rating Table

Wire Diameter (mm)	Max Current (A)
0.32	1.25
0.4	1.25
0.5	3.16
0.6	5
0.8	10
1.0	15
1.3	15
1.6	20

A PTFE-insulated lead wire is recommended for energising the heater. Use heater wattage chart along with current rating table to determine the recommended lead-wire diameter.

Visit [omega.co.uk](http://omega.co.uk) for our complete line of silicone rubber heaters and specifications

**CAUTION AND WARNING!**  
Fire and electrical shock may result if products are used improperly or installed or used by non-qualified personnel.



KH-KIT-EFH-15001, £67, shown smaller than actual size.



Models shown smaller than actual size.

The chart below shows wattage outputs when heaters are connected to various power supplies. Resistance values are nominal values only. The resistance values have a tolerance of ±10%.

### Heater Wattage Chart

Size (mm)	Resis. ( )	Watts (12 V)	Amps	Watts (28 V)	Amps	Watts (115 V)	Amps	Watts (230 V)	Amps
12.7 x 50.8	8.8	16.4	1.4	89.1	3.2	1502.8	13.1	6011.4	26.1
19 x 63.5	23.5	6.1	0.5	33.4	1.2	562.8	4.9	2251.1	9.8
19 x 82.6	33.2	4.3	0.4	23.6	0.8	398.3	3.5	1593.4	6.9
25.4 x 25.4	11.0	13.1	1.1	71.3	2.5	1202.3	10.5	4809.1	20.9
25.4 x 76.2	40.0	3.6	0.3	19.6	0.7	330.6	2.9	1322.5	5.8
25.4 x 152.4	105.9	1.4	0.1	7.4	0.3	124.9	1.1	499.5	2.2
38 Dia.	32.8	4.4	0.4	23.9	0.9	403.2	3.5	1612.8	7.0
38 x 114	120.3	1.2	0.1	6.5	0.2	109.9	1.0	439.7	1.9
38 x 203	252.0	0.6	0.0	3.1	0.1	52.5	0.5	209.9	0.9
51 Dia.	56.4	2.6	0.2	13.9	0.5	234.5	2.0	937.9	4.1
51 x 76	103.7	1.4	0.1	7.6	0.3	127.5	1.1	510.1	2.2
63.5 x 31.75	42.8	3.4	0.3	18.3	0.7	309.0	2.7	1236.0	5.4
63.5 x 63.5	108.6	1.3	0.1	7.2	0.3	121.8	1.1	487.1	2.1
76 Dia.	169.0	0.9	0.1	4.6	0.2	78.3	0.7	313.0	1.4
76 x 76	153.7	0.9	0.1	5.1	0.2	86.0	0.7	344.2	1.5

Note: All kit heaters require either a temperature or power controller to regulate heater temperature.

**MOST POPULAR MODEL HIGHLIGHTED!**

To Order (Specify Model Number)		
Model No.	Price	Description
KH-KIT-EFH-15001	£67	Kapton® flexible heater sample kit

Ordering Example: KH-KIT-EFH-15001, Kapton® flexible heater sample kit, £67.



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