

## Commercial Grade Kapton™ Heaters

- ◆ Use high performance Kapton insulated heaters in applications where you couldn't afford to before!
- ◆ All models include acrylic PSA mounting adhesive for simple installation
- ◆ Choose solder pad connections, optional leadwires, or fully insulated terminations
- ◆ Ideal for prototyping, short production series or high volume / low cost applications

Minco's new series of commercial grade Kapton heaters provide the performance and reliability you expect from Minco at a lower cost than our standard Kapton models. Sizes are available for 12 and 24 volt operation, or connect multiple heaters in a series / parallel system for consistent power over larger areas.

Choose the solder pad versions for fastest delivery and lowest cost. The option of factory installed leadwires provides easier connections where fully insulated contacts aren't required. The fully insulated wire connections protect the attachment point and provide maximum safety.

All materials (except the epoxy potting material in the fully insulated versions) are UL recognized. Leadwires are PTFE insulated.

### Specifications

**Temperature range:** -32 to 100°C .

**Material:** Kapton polyimide film/acrylic.

**Resistance tolerance:** ±10%.

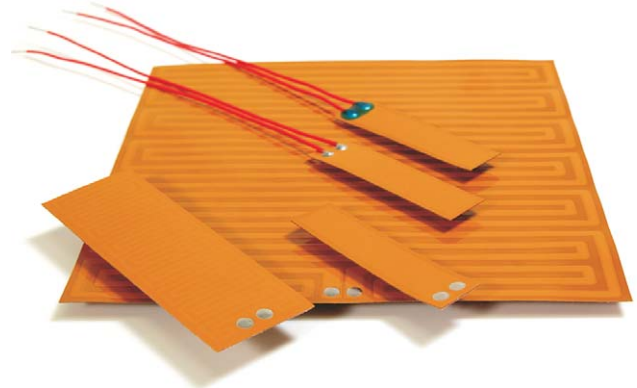
**Minimum bend radius:** 0.030" (0.8 mm).

**Electrical connection options:** Exposed solder pads. Options include two AWG 26 PTFE insulated leadwires 4" (100 mm) long with insulated or bare connection points.

### Insulated connection wire for end-user attachment

Order insulated connection wires with stripped and tinned ends for fast, easy connection of heaters to your power source. These AWG 26 wires have high temperature PTFE insulation resistant to wear and abrasion. The insulation color is red and the standard length is 4" (100 mm). Wires are sold in pairs, order one pair for each heater. Cost is \$0.25 / pair. Order part number AC102371.

Kapton is the DuPont tradename for polyimide.



### Base model table

Size (inches)	Area (in <sup>2</sup> )	Resistance	Voltage	Watt Density (w/in <sup>2</sup> )	Model	Price
0.5 × 2.0	1.0	57.5	12	2.5	HK5950	\$10
1.0 × 1.0	1.0	57.5	12	2.5	HK5951	
0.5 × 5.0	2.5	23.0	12	2.5	HK5952	
1.0 × 3.0	3.0	19.2	12	2.5	HK5953	\$15
2.0 × 2.0	4.0	57.6	24	2.5	HK5954	
3.0 × 3.0	9.0	25.6	24	2.5	HK5955	
4.0 × 4.0	16.0	14.4	24	2.5	HK5956	\$25
5.0 × 5.0	25.0	9.22	24	2.5	HK5957	

### How to order

HK5950	Base model from table	Cost added
L	<b>Termination options:</b>	
	S = solder pads	None
	L = 4" (100 mm) PTFE insulated leadwires - lead attachment area not insulated	\$2.00
	P = 4" (100 mm) PTFE insulated leadwires with insulated connection points	\$3.00
HK5950L ← Sample part number		

**MINCO**  
ISO 9001: 2000

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