

Commercial Grade Polyimide/ULA Heaters

Reliable heating options at an affordable price

Overview

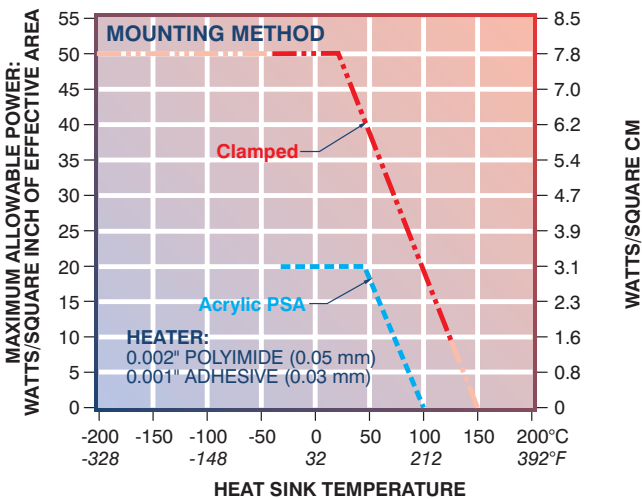
Minco's series of commercial grade polyimide heaters provide the performance and reliability you expect from Minco at a lower cost than our standard polyimide models. Sizes are available for 12 and 24 volt operation, or connect multiple heaters in a series/parallel system for consistent power over larger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

The fully insulated wire connections protect the attachment point and provide maximum safety.

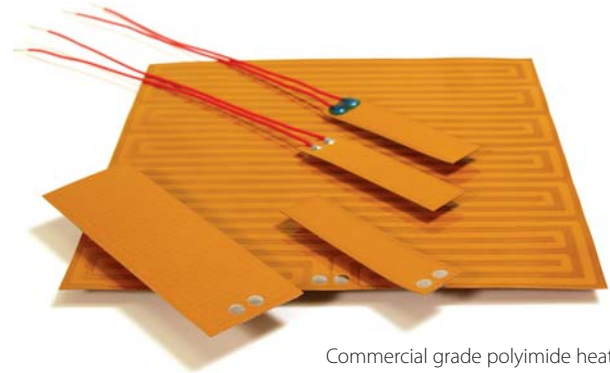
All materials except the epoxy potting material are UL recognized. Leadwires are PTFE insulated.

- Use high performance polyimide insulated heaters in applications where you couldn't afford to before!
- All models include acrylic PSA mounting adhesive for simple installation
- Ideal for prototyping, short production series or high volume / low cost applications

Maximum watt density, commercial grade polyimide/ULA heaters



Example: At 70°C, the maximum power for a heater mounted with acrylic PSA is 10 W/in².



Commercial grade polyimide heaters

Specifications for prototype heater models

Temperature range: -32 to 100°C .

Material: Polyimide film/acrylic (Kapton™ or equivalent).

Resistance tolerance: ±10%.

Minimum bend radius: 0.030" (0.8 mm).

Design kit model numbers:

Design kit model numbers	Size (inches)	Size (mm)	Resistance in ohms	Voltage	Watt density (w/in ²)	Effective area (in ²)
HK5950P	0.5 x 2.0	12.7 x 50.5	57.5	12	2.5	1.0
HK5951P	1.0 x 1.0	25.4 x 25.4	57.5	12	2.5	1.0
HK5952P	0.5 x 5.0	12.7 x 127	23.0	12	2.5	2.5
HK5953P	1.0 x 3.0	25.4 x 76.2	19.2	12	2.5	3.0
HK5954P	2.0 x 2.0	50.8 x 50.5	57.6	24	2.5	4.0
HK5955P	3.0 x 3.0	76.2 x 76.2	25.6	24	2.5	9.0
HK5956P	4.0 x 4.0	101.6 x 101.6	14.4	24	2.5	16.0
HK5957P	5.0 x 5.0	127 x 127	9.22	24	2.5	25.0

Specification options

HK5950P	Model from table
P	Termination options: S = Solder pads L = 4" (100 mm) PTFE insulated leadwires - lead attachment area not insulated P = 4" (100 mm) PTFE insulated leadwires with insulated connection points
HK5950P = Sample part number	

To order commercial grade polyimide heaters, please call 1.763.571.3121. These heaters are not available online.

Print an online copy of this technical specification at:
www.minco.com/heaterkit/