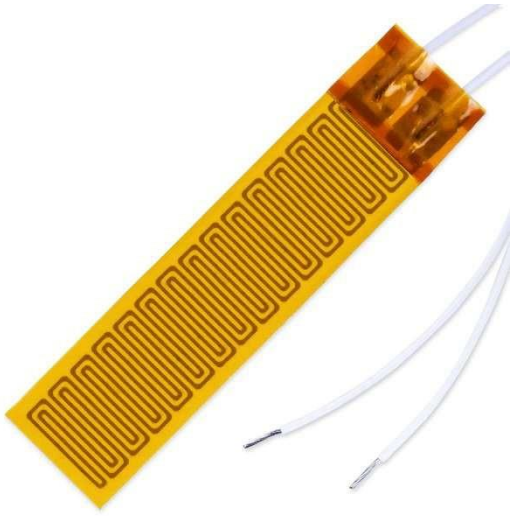
Polyimide Flexible Heaters with Polyimide Strain Relief



OMEGA's PLM-Series polyimide flexible heaters are offered in various shapes, wattages and voltages. All models can be supplied in self-adhesive or non-adhesive options to fit most installation needs. The polyimide insulation makes these heaters chemically resistant can flexible so they can fit on rounded surfaces with ease.

Features

- **All polyimide strain relief and insulation**
- **Optional pressure sensitive adhesive models**
- **Temperatures from -57°C (-71°F) to 232°C (450°F)**
- **Non-magnetic heating element**
- **Watt densities of 2.5 W/in^2, 5 W/in^2 or 10 W/in^2**
- **Thickness of 0.01" and wire length tolerance of ±0.4"**

Specifications

Operating Temperature:

No Adhesive Options: -57 to 232°C (-71 to 450°F)

Self-Adhesive Options: -40 to 149°C (-40 to 300°F)

Maximum Thickness: .01", .strain relief max is 08" (.10" for heaters ≥ 3 Amp)

Watt Density: 2.5 W/in^2, 5 W/in^2, 10 W/in^2

Leads: PTFE Insulated, 12" ±0.4" Length, UL10109, 22 AWG (UL1332, 16 AWG for heaters ≥ 3 Amp)

Dielectric Strength: 1250 VAC

Minimum Bending Radius: 0.032"

Maximum Operating Voltage: 28V, 115V or 230V

Model Description	Model	Width	Length	Power Density	Adhesive Option
Standard 115 V max	PLM-*	05 – 0.5"	01 – 1"	/2 – 2.5 W/in^2	-P (optional adhesive)
Low voltage 28 V max	PLMLV-*	1 – 1"	02 – 2"	/5 – 5 W/in^2	
Round version 115 V max	PLMR-*	…	…	/10 – 10 W/in^2	
		12 – 12"	12 – 12"		

Examples

PLMLV-204/10-P: Low Voltage Polyimide Heater, 28 V Max, 2 in Width, 4 in Length, 10 W/in^2, Self-Adhesive

PLM-1012/2: Polyimide Heater, 115 V Max, 10 in Width, 12 in Length, 2.5 W/in^2, No Adhesive