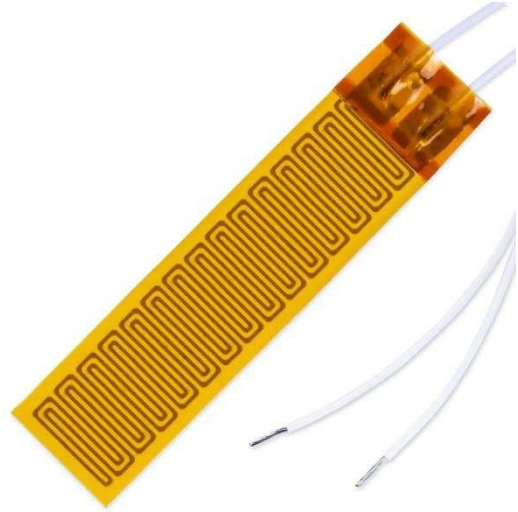


## Polyimide Flexible Heaters with Polyimide Strain Relief

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 and 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<sup>2</sup>, 5 W/in<sup>2</sup> or 10 W/in<sup>2</sup>
- 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<sup>2</sup>, 5 W/in<sup>2</sup>, 10 W/in<sup>2</sup>

**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 <sup>2</sup> | -P (optional adhesive) |
| Low voltage 28 V max    | PLMLV-* | 1 – 1"          | 02 – 2"         | /5 – 5 W/in <sup>2</sup>   |                        |
| Round version 115 V max | PLMR-*  | ...<br>12 – 12" | ...<br>12 – 12" | /10 – 10 W/in <sup>2</sup> |                        |

### Examples

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

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