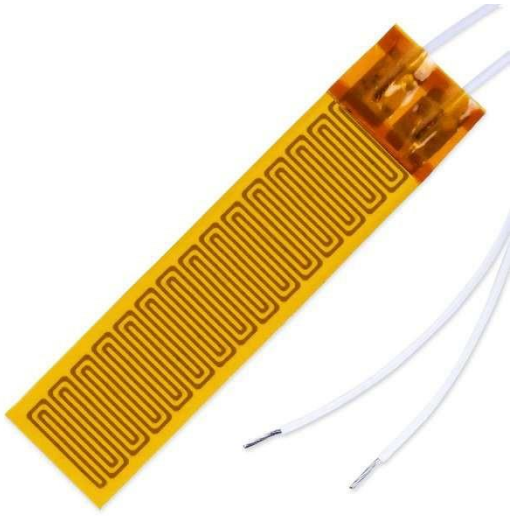
## Polyimide Flexible Heaters with Polyimide Strain Relief



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