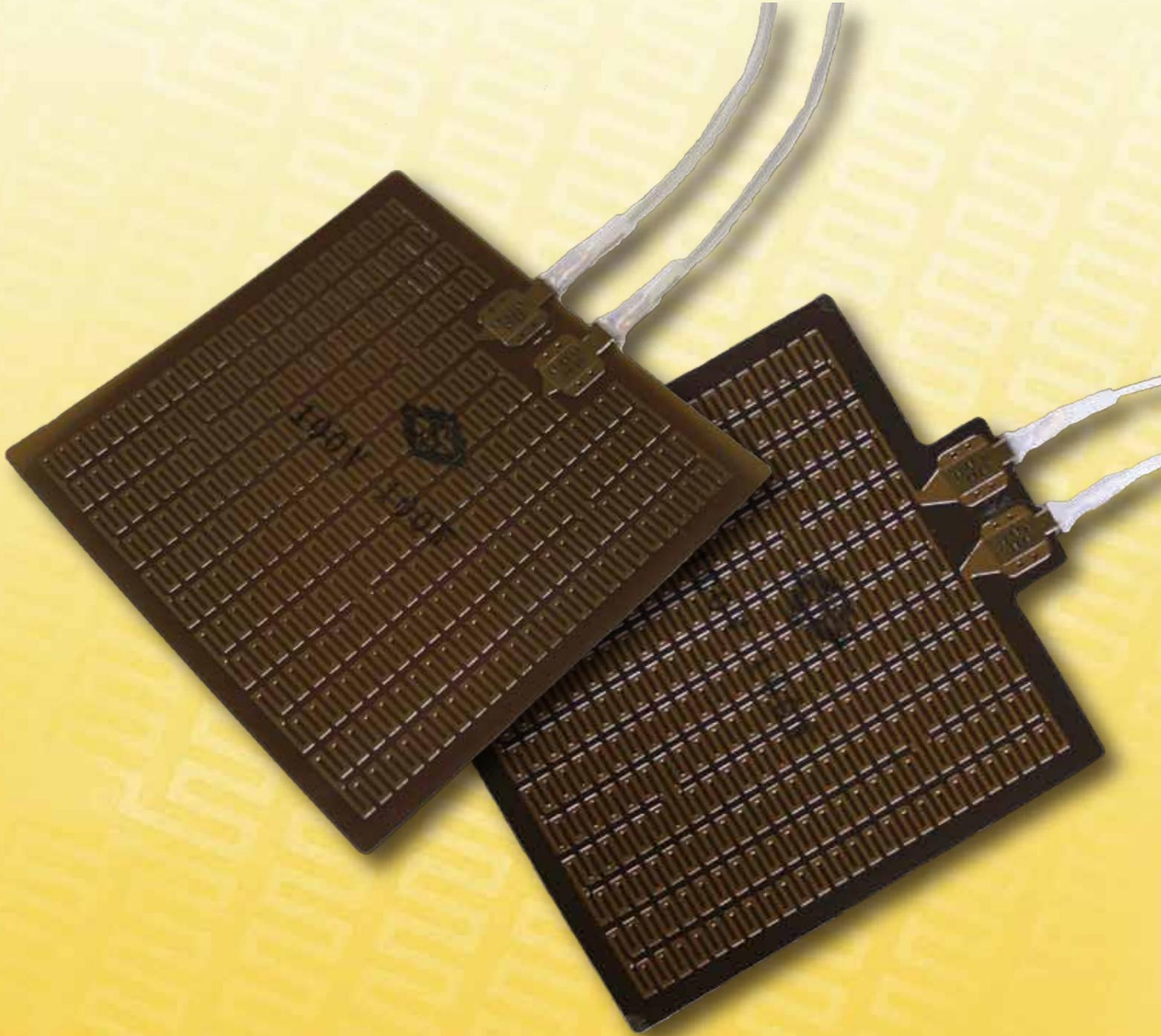


 坂口電熱

JAPAN QUALITY

SAMICON® POLYIMIDE HEATER



Feature

■ High heat resistance

This heater operates in environments as high as 250°C since special polyimide films providing high heat resistance are used for insulatorsholding heating materials (External Lead model can operate up to 300°C, dependent upon operating environments).

■ Homogeneous temperature distribution

A paper-thin sheet of heating material evenly placed on the heater's surface. provides high heat efficiency resulting in less chance of uneven heating.

■ Ecologically friendly

The terminal structure, taking advantage of the thinness of heater, is designed to be ecologically friendly adopting lead-free soldering between a lead wire and terminal.

■ Low outgassing

The heater products very low rate of outgas as no adhesive is used to paste insulators (polyimide films). The heater is also suitable for environments disliking siloxanes as polyimide films do not produce siloxanes, which cause conduction failure.

■ Fast temperature

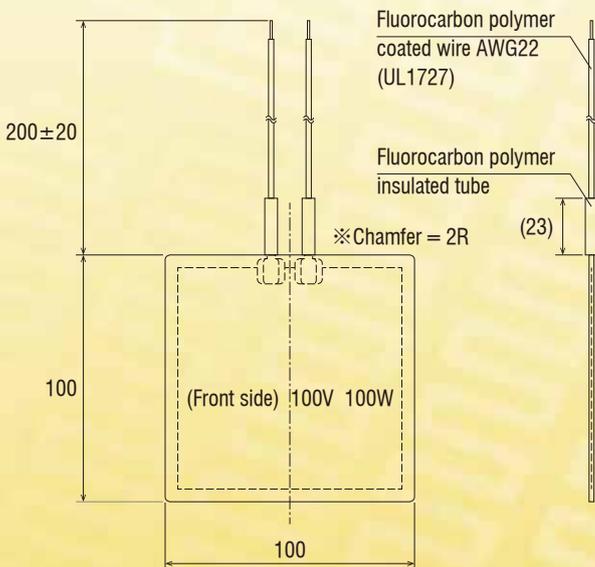
A very thin insulator (polyimide film), 0.2mm thick (or thinner), results in a small heat capacity and thus enables a particularly fast temperature rise.



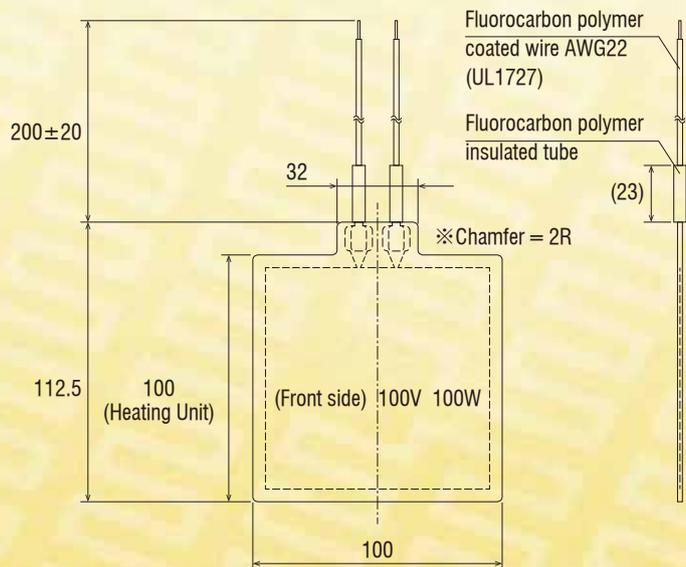
Dependent upon usage, operating temperature may vary. Ask your sales representative for details.

Product Specification

◆ Internal Lead model ◆ Product code number PI-A1010



◆ External Lead model ◆ Product code number PI-B1010



Heating surface temperature	250°C in standard usage. Depending on operating environments, operating temperatures may vary
Voltage / Tolerance	Up to 200V AC ± 10% ~ AC200 ± 10%
Watt densities	Max. 1.0W/cm ² when suspended in still air Max. 1.5W/cm ² when fitted closely to workpiece
Unsiluation resistance	100MΩ or more at 500V DC
Insulation withstand	150V or less: 1000VAC / 1min Over150: 1500VAC / 1min
Thickness	0.2mm or less(except for lead wire joint)
Heater size limitations	450mm × 450mm

CAUTION

- This product is an industrial product.
- The product is for indoor use only and not waterproof. Keep out of water or any solutions.
- Beware it may cause an abnormally high temperature and result in a premature wire breakage, if low in degree of adhesion to workpiece.
- Ask your sales representatives to consult with the case the heater us bonded to workpiece.
- Do not apply excessive external forces(traction, bending, etc) onto lead wire joint.
- Do not heat without contact to workpiece.
- Do not place heaters on top of each other when in operation.



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