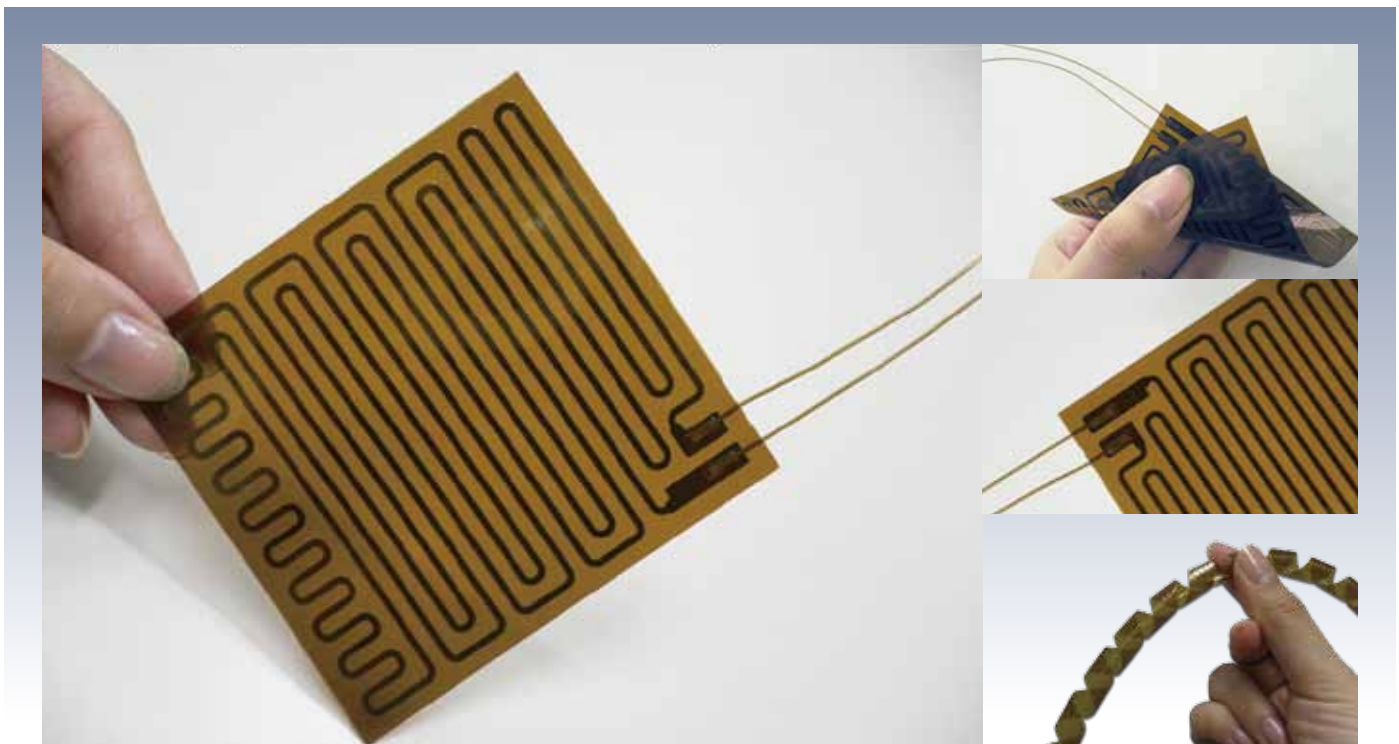




All Polyimide Flexible Sheet Heater

UBE POLYIMIDE HEATER

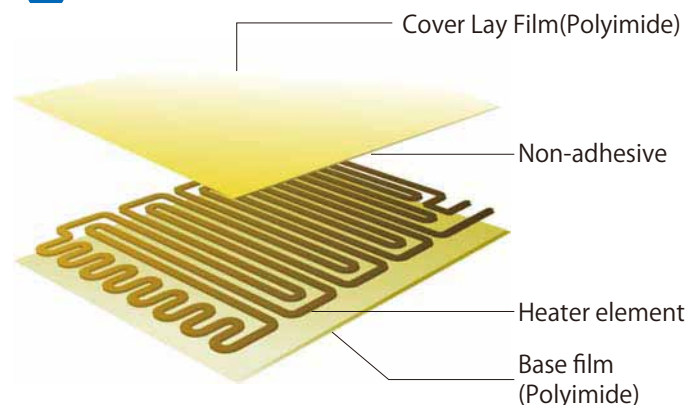


UBE Polyimide Heaters are high performance all polyimide heaters eliminating the use of adhesives by UBE's exclusive heat sealable polyimide film technology. Area of applications ranges from semiconductor wafer processing machines to space orbits.

Features of UBE Polyimide Heaters

- Adhesiveless construction provides temperature capability up to 250°C
- Extremely low out gassing.
- Flexible thin, lightweight heaters enables wide range of applications and contributes to size and weight saving.
- Rapid heat cycling capability by flat and low mass construction.
- Extremely high chemical resistance.

Structure



UBE INDUSTRIES, LTD.

Aerospace Materials Business Group Specialty Chemicals & Products Company
 Seavans North Bldg, 1-2-1, Shibaura Minato-Ku, 105-8449, Japan
 Phone +81 (0) 3-5419-6182 Facsimile +81 (0) 3-5419-6260 e-mail info@upilex.jp



All Polyimide Flexible Sheet Heater

UBE POLYIMIDE HEATER

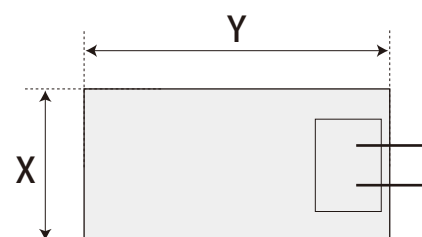
Standard Polyimide Heaters

Type	Size (mm)※		Voltage (V)	Resistance in ohms (Ω)	Typical power (W)
	X	Y			
FH-1103	25.4	25.4	28	157	5
FH-1202	25.4	50.8	28	78.4	10
FH-1234	25.4	50.8	28	1680	0.5
FH-1301	25.4	76.2	28	52.3	15
FH-1511	25.4	127.0	115	529	25
FH-2601	50.8	152.4	28	50	15.7
FH-2A20	50.8	254.0	115	1000	13.2
FH-3301	76.2	76.2	28	12.8	61.3
FH-5502	127.0	127.0	115	106	124.8

General Information

Operating temperature	Consumer application	250°C
	Space application	200°C
Resistance tolerance		±10%
Dielectric strength		3,000V

※Size (mm)



Custom Designed Heaters

- Custom designed polyimide heaters are also available. Please contact our sales representative for further information.

Maximum size	500mm × 500mm
Voltage range	1.5V~250V
Maximum resistance in ohms	50Ω / cm ²
Maximum watt densities	2.5W / cm ²

Operating temperature < 250°C

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