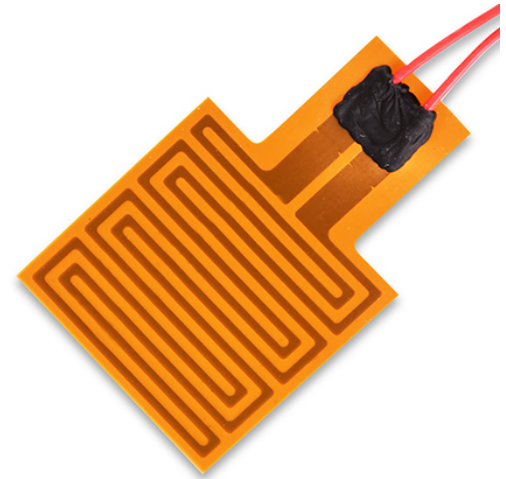


## High Temperature Polyimide Flexible Heater

Our high temperature polyimide flexible heater offers high performance in a compact package. Polyimide has a high resistance to chemicals, as well as minimal outgassing. These are useful where direct heat is required, but the heat source needs to be compact. These flexible heaters will go to temperatures as high as 260°C (500 °F), higher than most polyimide heaters of its type. These also allow for higher watt densities. Typical construction consists of an etched foil element which is encapsulated between two layers of polyimide film. These are available in round, square, and rectangular configurations.



### Features

- Etched-foil heating technology to provide efficient heat distribution
- Low mass construction and factor lamination which saves space and reduces cycle time
- High watt density allowance, up to 120 watts per square inch
- Rugged materials of construction prevent costly damage during installation and handling
- Chemical resistance

### Typical Applications

- Semiconductor manufacturing and testing
- Heating of electronic components
- Enclosure heating
- Direct electronic parts heating
- Machinery heating
- Packaging, fusing, splicing equipment
- Medical diagnostic analyzers
- Hot plates and stirring equipment

### Specifications

Temperature range	-200 to 260°C (-328 to 500°F)
Lead wires	Stranded, PTFE insulated, AWG 30 to AWG 20
Heater thickness	Over element: 0.012" (0.3 mm) max
Dielectric strength	1000 VRMS at 60 Hz for 1 minute
Insulation resistance	1000 megohms min, at 500 VDC
Outgassing	0.36% total mass loss, 0.01% collected volatile condensable material, par NASA-JSC
Maximum size	22" x 45" (560 x 1145 mm)
Maximum resistance density	1500 Ω per sq. in (233 Ω per sq. cm)