

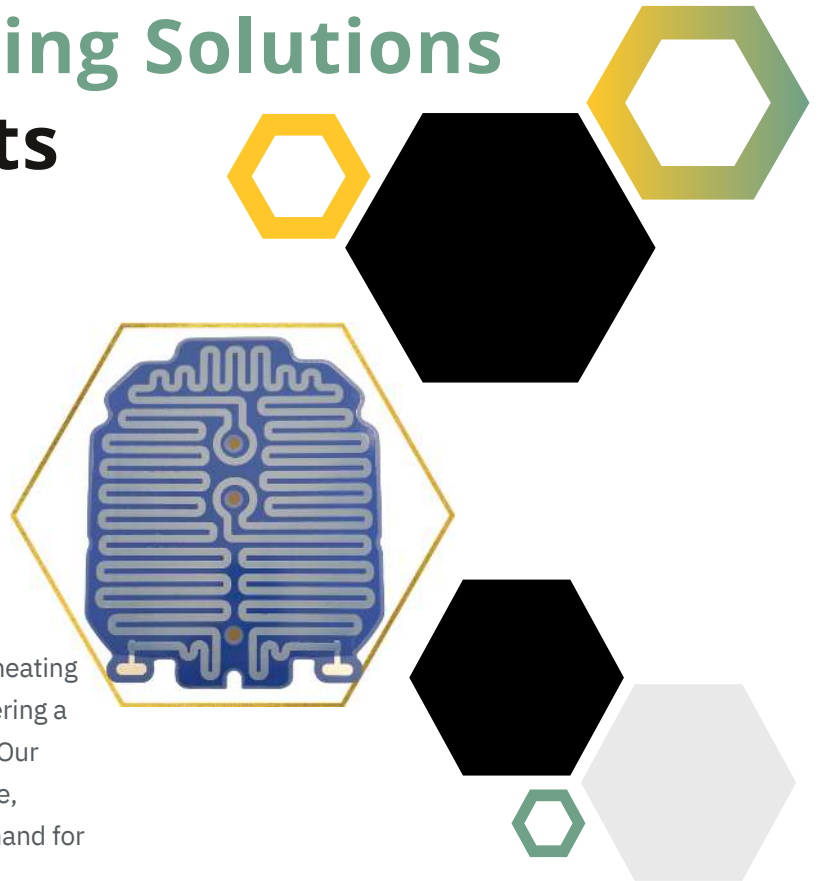
Integrated Heating Solutions for your products

HiTemp-TF

Stainless Steel Based Elements

At Datec, we provide OEMs with the high performance, thick-film heating components they need to manufacture and advance their products.

Datec is leading the industry with the ability to print heating elements directly onto stainless steel substrates offering a seamless fit into a wide-range of product footprints. Our HiTemp-TF heating technology produces fast, precise, uniform and integrated heat meeting customers demand for performance, reliability and energy efficiency.



Applications

- Griddles & Steamers
- DNA Analysis
- Blood/fluid diagnostics
- 3D Printers
- Packaging Lines

Benefits

With Datec's heating elements **printed** directly on to stainless steel, the HiTemp-TF provides:



RAPID THERMAL CYCLING

Low thermal mass and high power density result in fast temperature ramp up and cool down



RELIABILITY

Proven reliability with long life for high temperature and high watt density applications



TARGETED HEAT

With unique custom designs, the temperature can be generated in targeted zones



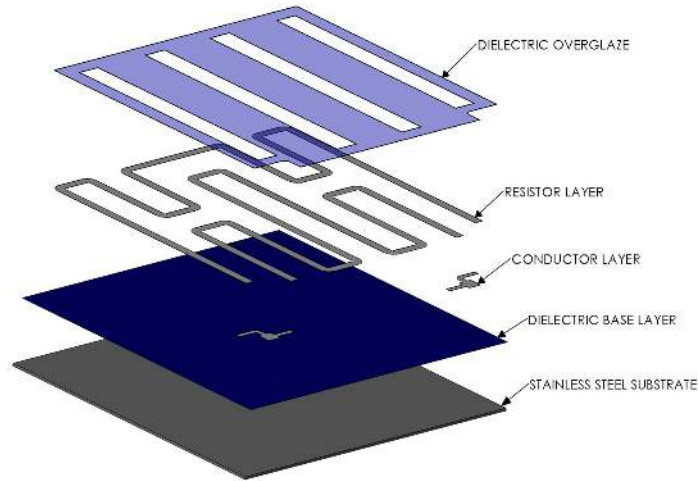
TEMPERATURE CONTROL

Precise temperature control is possible using sensors

HighTemp-TF

Technology

The key technology in the HiTemp-TF heater is thick-film layers printed directly on stainless steel substrate



Technical Specifications

Max Temperature	840 °F (450 °C)
Power Density	200 W/in ² (31 W/Cm ²)
Voltage	Upto 240 V
Size	20" X 20" (50 cmX50 cm)
Power Tolerance	-10/+5% to -/+5%

About Datec

Whether it is an off-the-shelf HiTemp-TF heater or a custom heating component, Datec is the ideal partner to design, develop and manufacture an innovative heating solution to advance your products today and tomorrow.

For more information on how HiTemp-TF can be integrated into your products, please contact Datec

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