

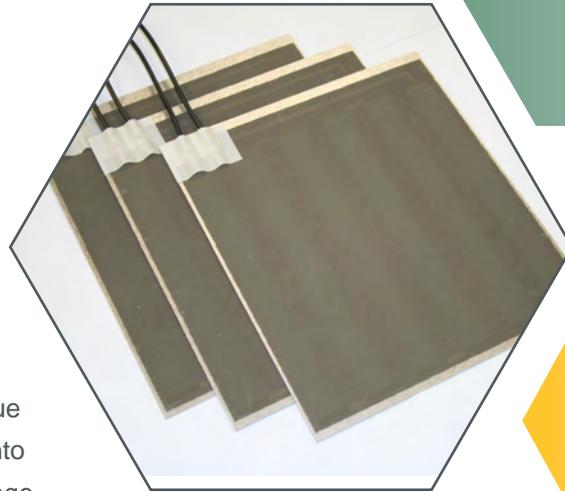
Integrated Heating Solutions for your Products

mica-TF®

Mica 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 unique ability to **print** heating elements directly onto mica offering a seamless fit into a wide-range of product footprints. Our mica-TF heating technology produces fast, precise, uniform and integrated heat meeting customers demand for performance, reliability and energy efficiency.



Applications

- Food Warming Devices
- Enclosure Heaters
- Radiant Comfort Heaters
- LCD Warmers
- Industrial Applications

Benefits

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



UNIFORM INTEGRATED HEAT

The resistor circuit covers a complete area resulting in even heating.



COST SAVINGS

With reduced parts count and ease of installation, mica-TF is a cost-effective heating solution.



HIGH PERFORMANCE

Testing along with thousands of heaters installed proves mica-TF has excellent thermal performance and reliability.

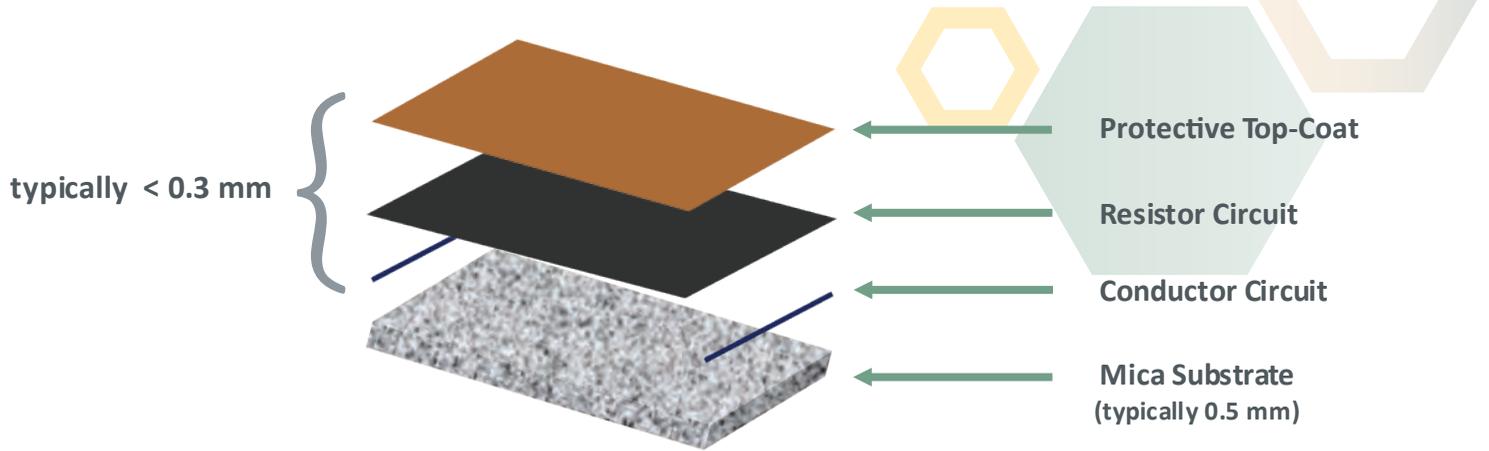


TEMPERATURE CONTROL

The ability to maintain precise and constant temperatures.

Technology

The key technology in the mica-TF heater is thick-film layers, which incorporate Datec's patented sol-gel technology.



Technical Specifications

Maximum Operating Temperature	UL recognized to 240°C
Power Density	Up to 8 W/in ² : Free air/natural convection > 12 W/in ² : Conductive/forced convection
Voltage	UL recognized to 240V (AC or DC)
Maximum Size	29in X 40in (75cm X 102cm)
Resistive Tolerance	Typically +/- 10%, special order +/- 5%
Certifications	UL file # E303007 

About Datec

Whether it is an off-the-shelf mica-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 **mica-TF** can be integrated into your products, please contact Datec today!

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