

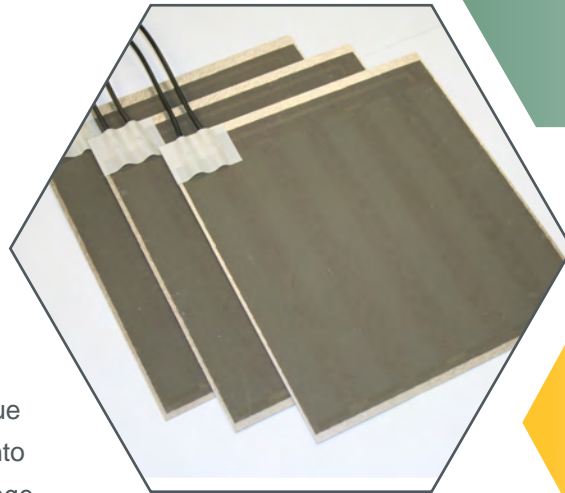
# Integrated Heating Solutions for your Products

## 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.

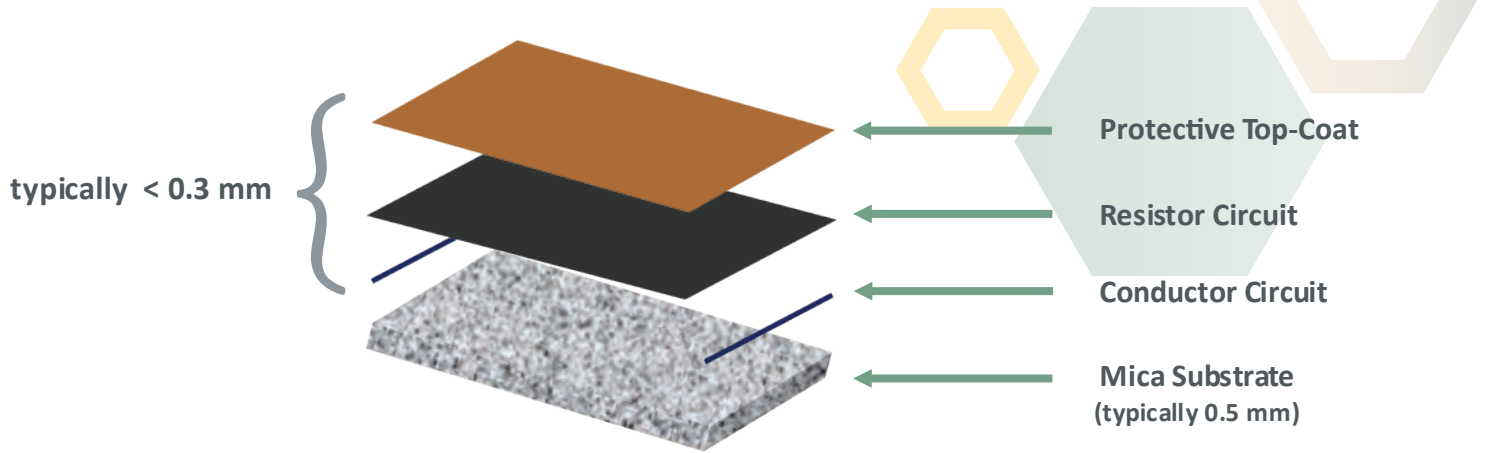


#### TEMPERATURE CONTROL


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

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