

# Integrated Low Voltage (LV) Heating Solution

## IntegrAL® LV

### Low Voltage DC Aluminum-Base Heater

Introducing Datec's new Low Voltage high performance, thick-film heating components.

Ideal for portable and battery operated devices. With Datec's patented elements printed directly onto aluminum, the thin and low profile IntegrAL provides:

### Benefits



Fast Heat

- Better performance
- Faster heating & cooling



Energy Efficient

- Long Battery Life
- More efficient heat up



Light Weight

- Portability
- Light weight
- Fewer components

### Applications

- Automotive
- Analytical Equipment
- Medical/Semiconductor
- Consumer Products



#### UNIFORM INTEGRATED HEAT

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



#### HIGH PERFORMANCE

Testing continually proves IntegrAL has unsurpassed thermal performance and reliability.



#### RAPID THERMAL CYCLING

The conductivity of aluminum combined with a powerful thick-film heater results in rapid heating and cooling cycles.



#### TEMPERATURE CONTROL

The ability to maintain precise and constant temperatures.

