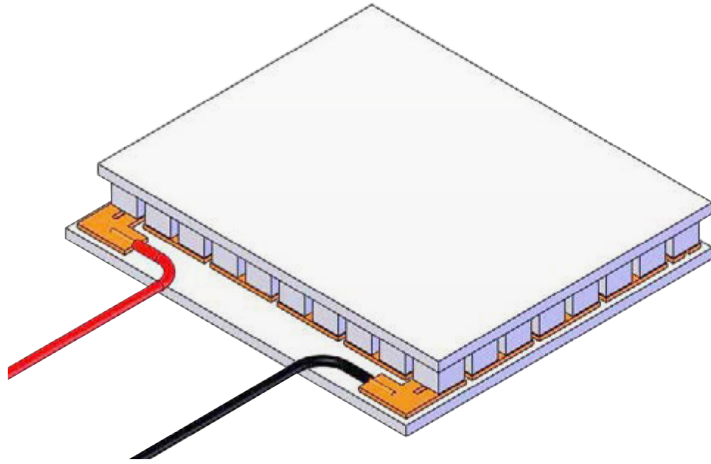


THERMOCYCLER XLT2404

Single-Stage Thermoelectric Module



FEATURES

- RoHS EU Compliant
- Rated operating temperature of 125°C
- Ceramic Material: Aluminum Oxide
- Designed for temperature cycling applications
- Capable of rapid heating and cooling rates
- Porch configuration for high strength leadwire connection
- Superior nickel diffusion barriers on elements
- High strength for rugged environment
- Lapped option available for multiple module applications

Nominal Performance in Nitrogen

| | | |
|---------------------------|------|------|
| Hot Side Temperature (°C) | 50 | 100 |
| ΔT_{max} (°C) | 70 | 85 |
| Qmax (watts) | 50 | 57 |
| I _{max} (amps) | 15.2 | 14.5 |
| V _{max} (vdc) | 5.1 | 6.1 |
| AC Resistance (ohms) | 0.25 | -- |

Ordering Options

| Model Number | Description |
|--------------|-------------------|
| XLT2404-04AC | Leadwires, Lapped |

Operation Cautions

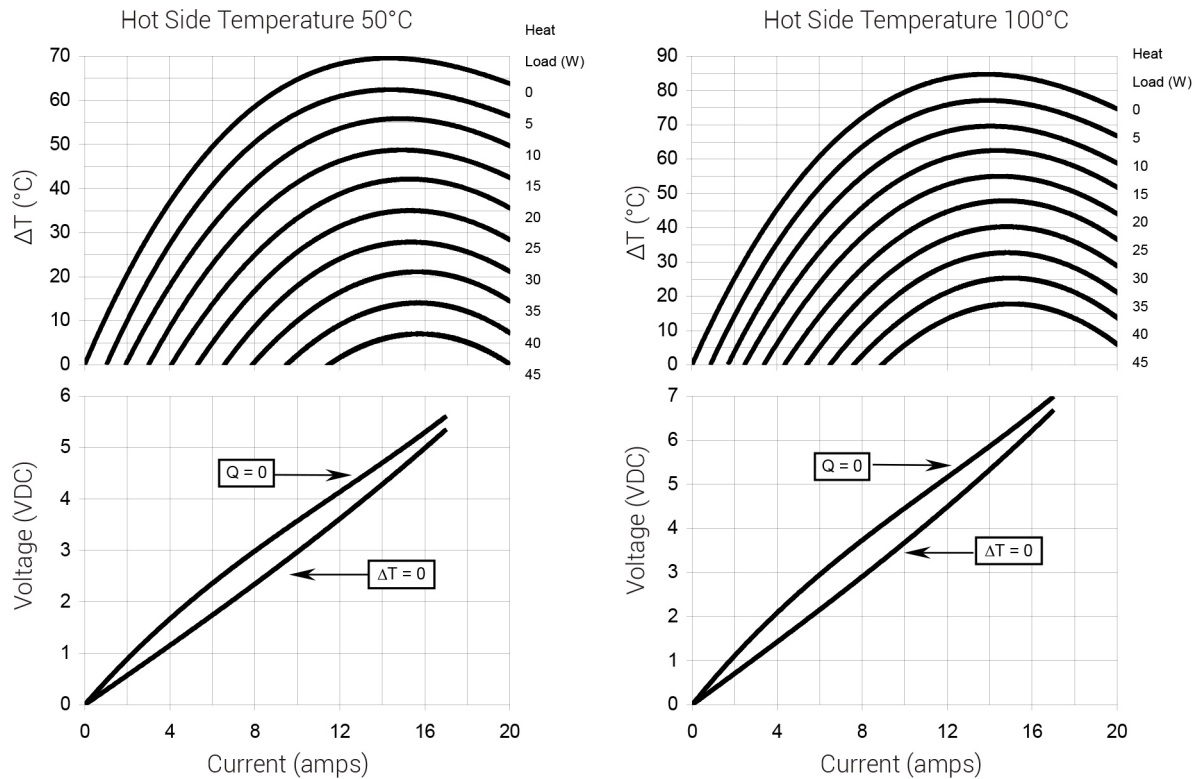
For maximum reliability, storage and operation below 125°C in a non-condensing environment is recommended. To minimize thermal stress, use linear/proportional temperature control or a similar method rather than an ON/OFF method.

Installation

Recommended mounting methods: Clamp with uniform pressure to a flat surface with thermal interface material. For additional information, please refer to our TEC Installation Guide.

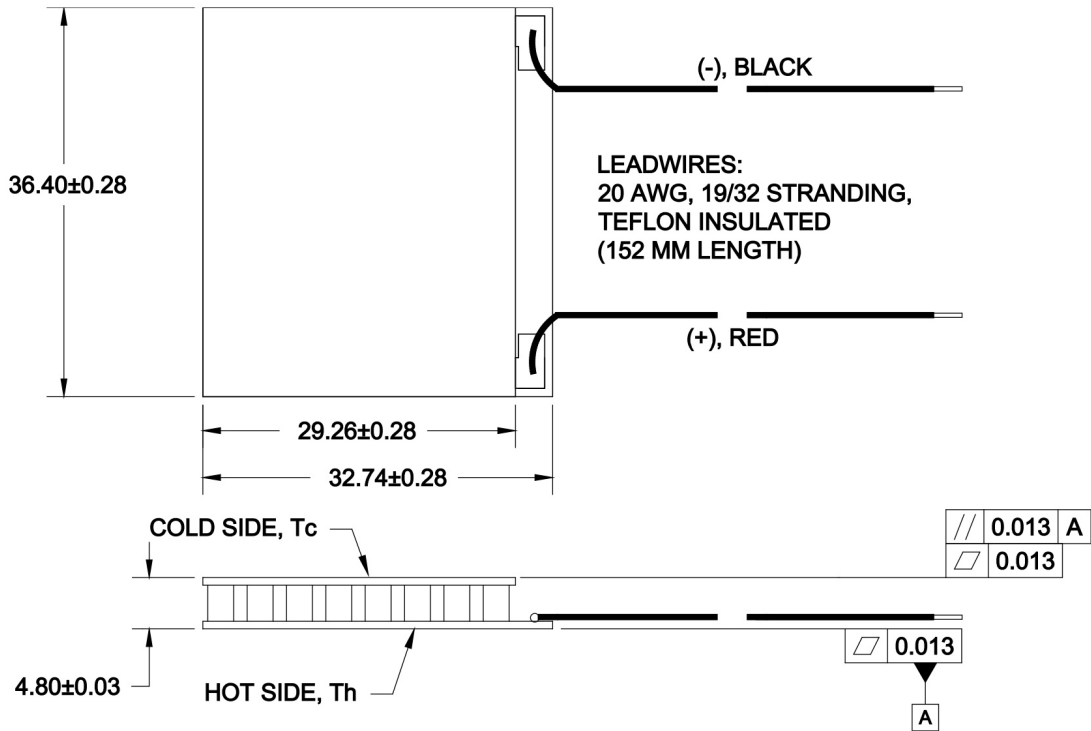
Typical Performance Curves

Environment: One atmosphere dry nitrogen



For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, please contact us.

Mechanical Characteristics



All dimensions are in millimeters unless otherwise stated.