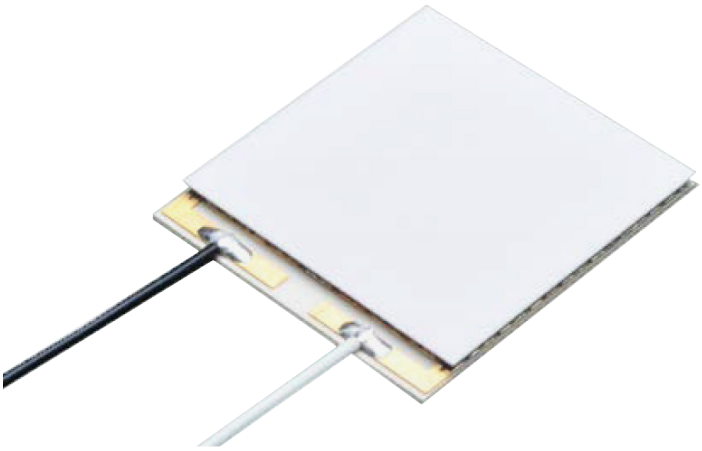
THERMOCYCLER XLT2422

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
- RTV sealing option available
- Lapped option available for multiple module applications
- Set of modules ACR matched available

COHERENT

Nominal Performance in Nitrogen

Hot Side Temperature (°C)	27	50
Δ Tmax (°C)	66	74
Qmax (watts)	36	39
Imax (amps)	3.7	3.7
Vmax (vdc)	14.7	16.4
AC Resistance (ohms)	3.2	--

Ordering Options

Model Number	Description
XLT2422-00L	Lapped
XLT2422-00LS	Lapped, Sealed
XLT2422-01L	Leadwires, Lapped
XLT2422-01LS	Leadwires, Lapped, Sealed
XLT2422-02LS	Leadwires, Lapped, Sealed
XLT2422-14LS	Leadwires, Lapped, Sealed, Set of 4 ACR Matched
XLT2422-16LS	Leadwires, Lapped, Sealed, Set of 6 ACR Matched

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.

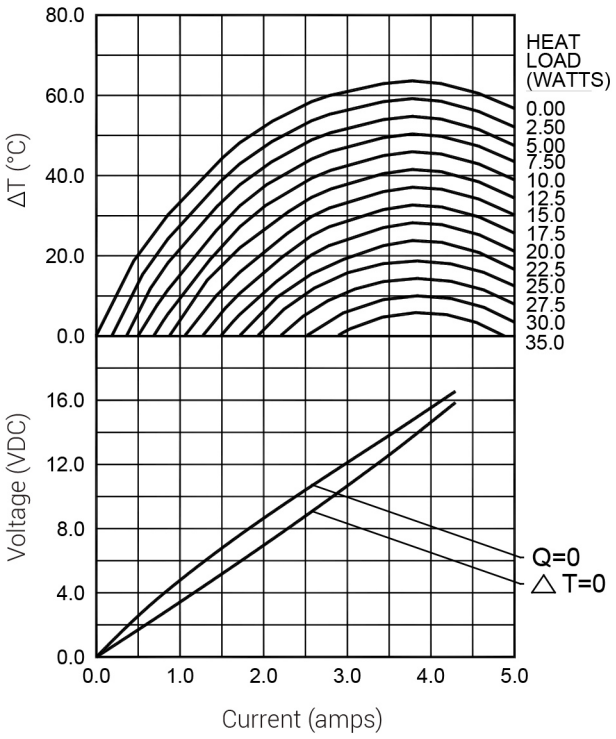
Installation

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

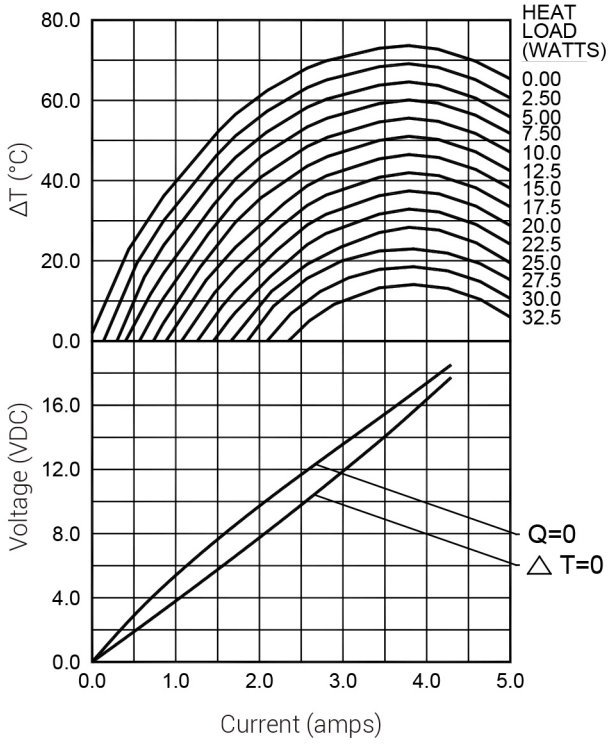
Typical Performance Curves

Environment: One atmosphere dry nitrogen

Hot Side Temperature 27°C

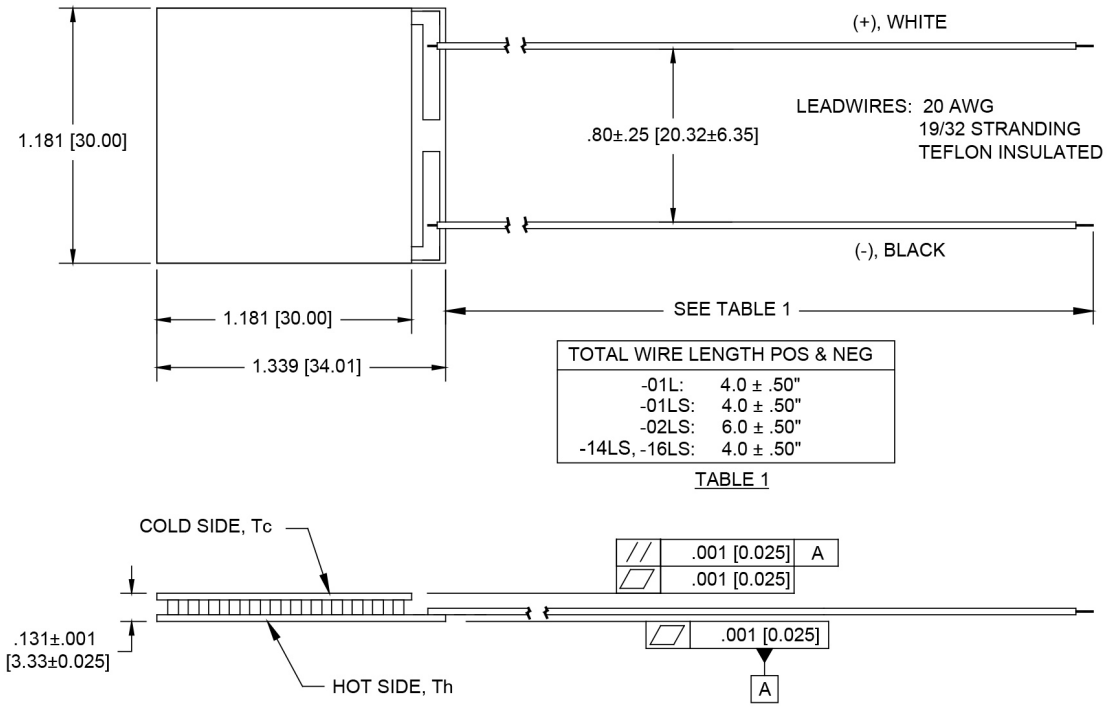


Hot Side Temperature 50°C



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

Mechanical Characteristics



Dimensions in [ ] are millimeters

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