

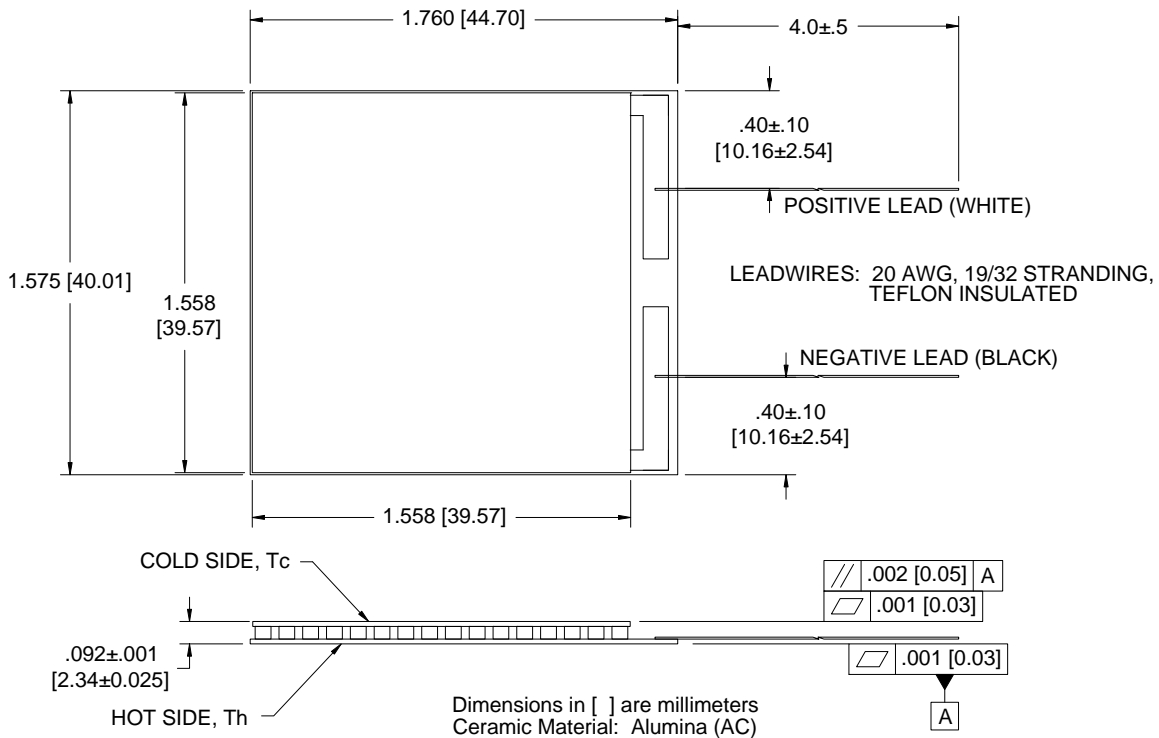
## XLT2418

Single-Stage Thermoelectric Cooler  
RoHS EU Compliant

### TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
$\Delta T_{max}$ (°C-dry N <sub>2</sub> ):	56.5	64.0
Q <sub>max</sub> (watts):	127	141
I <sub>max</sub> (amps):	13.9	13.8
V <sub>max</sub> (vdc):	14.1	15.7
AC Resistance (ohms):	0.83	---

### MECHANICAL CHARACTERISTICS



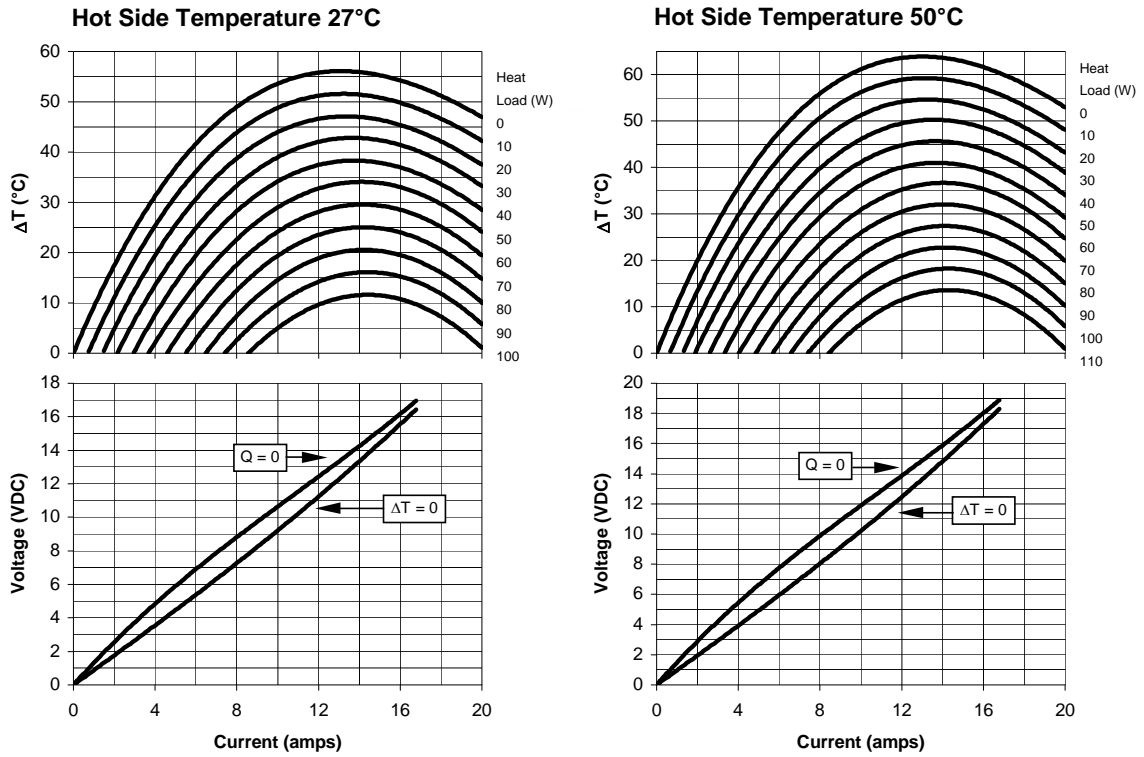
### ORDERING OPTIONS

Model Number	Description
XLT2418-03AC	Leadwires
XLT2418-04AC	No Leadwires
XLT2418-05AC	Leadwires, Sealed
XLT2418-06AC	Leadwires, Diced, 64 sections
XLT2418-07AC	No Leadwires, Sealed
XLT2418-08AC	Leadwire pad and TEC Sealed
XLT2418-36AC	Leadwires, Sealed, Six Coolers, ACR matched set

### AVAILABLE MODIFICATIONS

- Rated operating temperature of 125°C.
- Designed for temperature cycling applications.
- Capable of rapid heating and cooling rates.
- Porch configuration for high strength leadwire connection.
- RTV sealing option available.
- Lapped option available for multiple module applications.
- Set of modules ACR matched available.

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN



For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, contact one of our Applications Engineers at 877-627-5691.

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.

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.

CONTACT US:

For customer support or general questions please contact a local office below or visit our website at [www.marlow.com](http://www.marlow.com).

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