



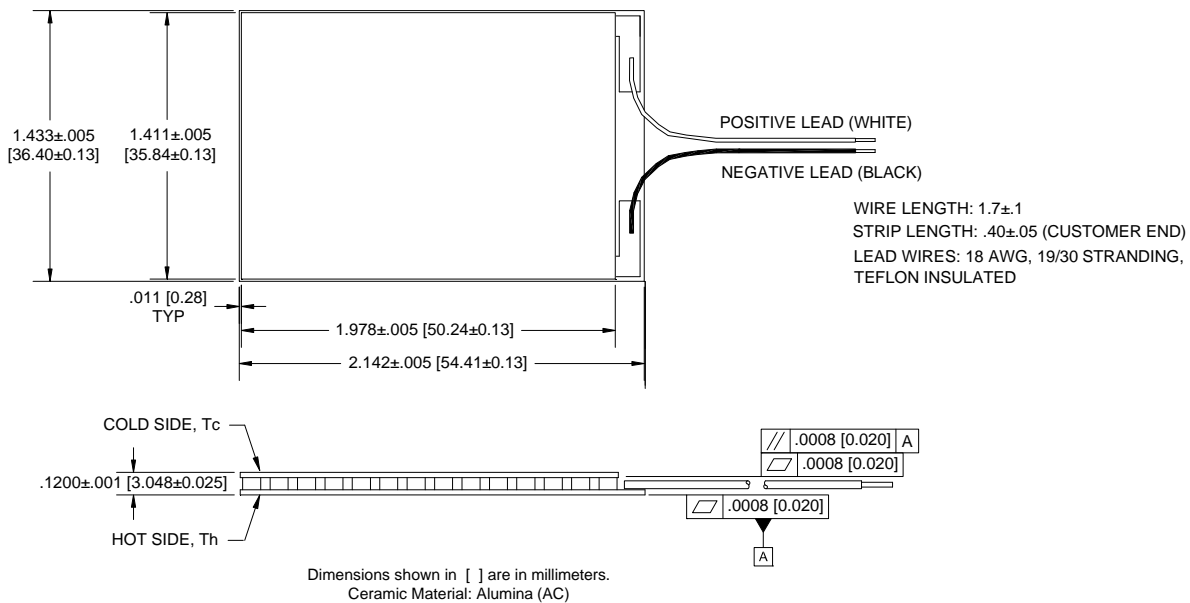
XLT2423

Single-Stage Thermoelectric Cooler
RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
ΔT_{max} (°C-dry N ₂):	58	66
Q _{max} (watts):	95	106
I _{max} (amps):	19.0	18.8
V _{max} (vdc):	7.7	8.5
AC Resistance (ohms):	0.34	---

MECHANICAL CHARACTERISTICS



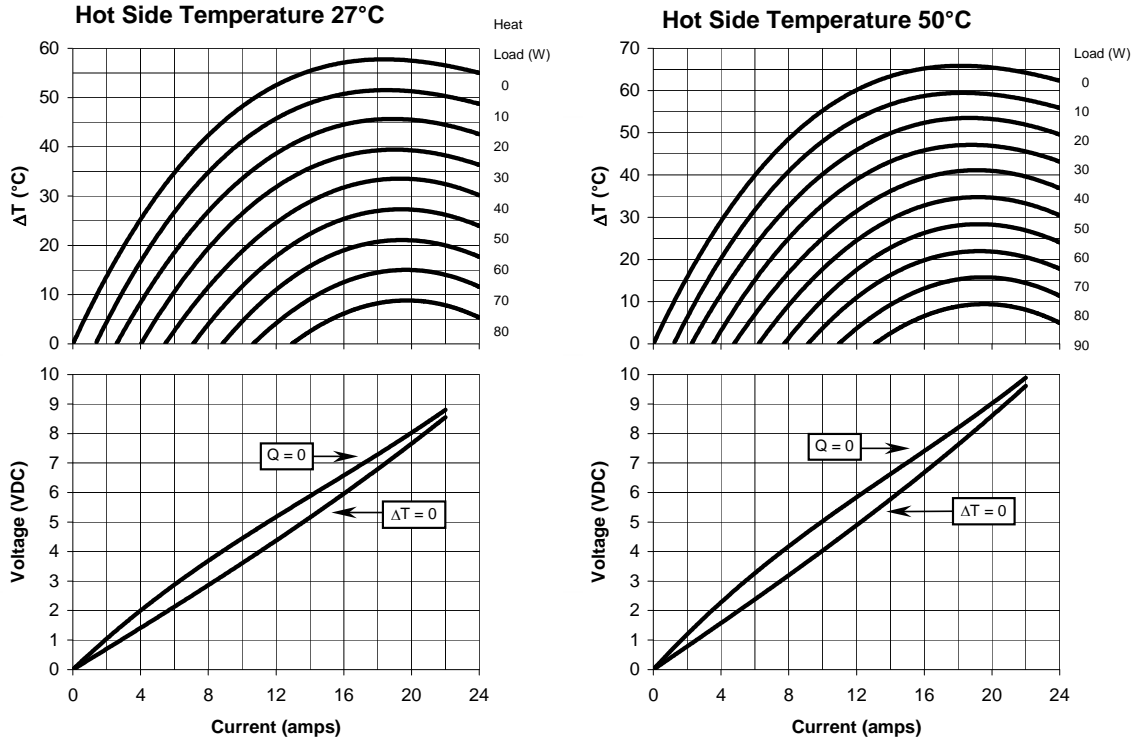
ORDERING OPTIONS

Model Number	Description
XLT2423-31AC	Undiced, one cooler
XLT2423-34AC	Undiced, ACR matched set, four
XLT2423-38AC	Undiced, ACR matched set, eight
XLT2423-41AC	Diced, one cooler
XLT2423-42AC	Diced, two cooler, ARC matched set
XLT2423-44AC	Diced, ACR matched set, four
XLT2423-48AC	Diced, ACR matched set, eight
XLT2423-51AC	Undiced, one cooler, 10 inches long leadwires
XLT2423-61AC	Undiced, one cooler, plastic tray packaging
XLT2423-71AC	Undiced, One cooler, no leadwires
XLT2423-78AC	Undiced, ACR matched set, eight, no leadwires
XLT2423-81AC	Diced, One cooler, no leadwires
XLT2423-88AC	Diced, ACR matched set, eight, no leadwires
XLT2423-98AC	Diced, ACR matched set, eight, 2.12 inches long leadwires

PRODUCT FEATURES

- 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.
- Diced option for further mechanical stress relief.
- 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.

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