



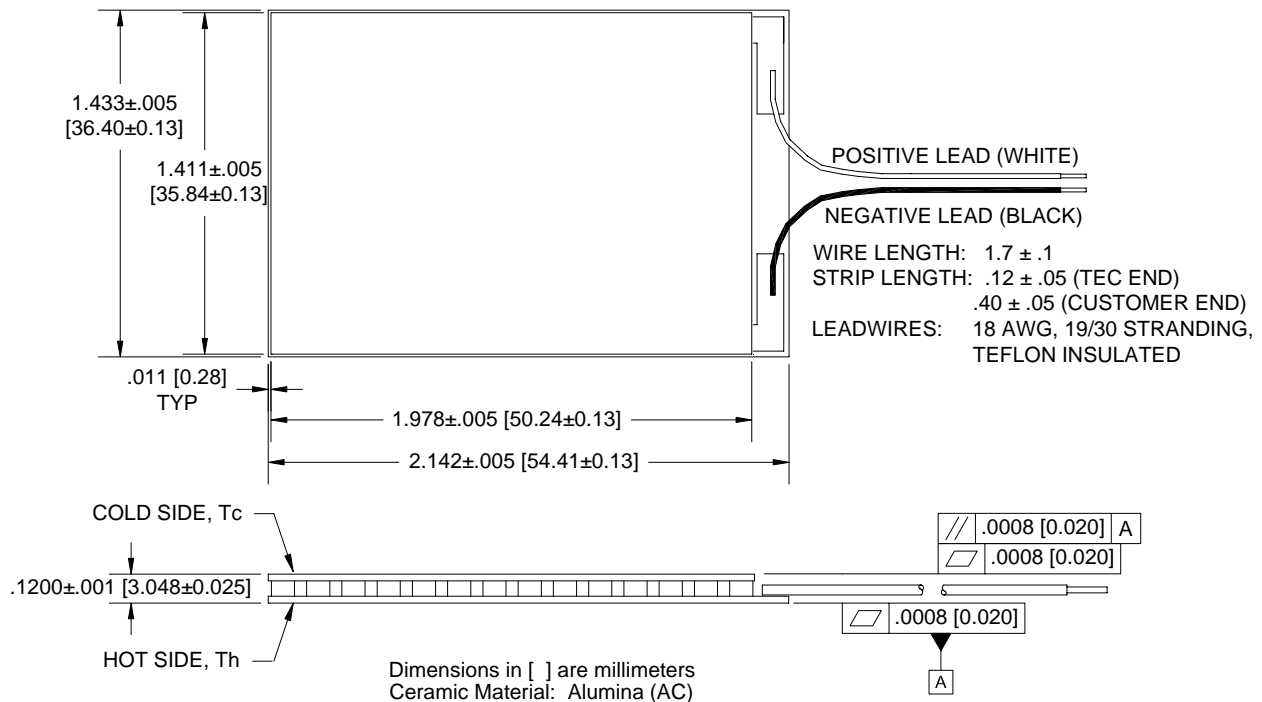
XLT2423

Single-Stage Thermoelectric Cooler
RoHS 2002/95/EC Compliant

PERFORMANCE VALUES

| | | |
|----------------------------------|------|------|
| Hot Side Temperature (°C) | 27°C | 50°C |
| Δ Tmax (°C-dry N ₂): | 58 | 66 |
| Qmax (watts): | 95 | 106 |
| Imax (amps): | 19.0 | 18.8 |
| Vmax (vdc): | 7.7 | 8.5 |
| AC Resistance (ohms): | 0.34 | --- |

MECHANICAL CHARACTERISTICS



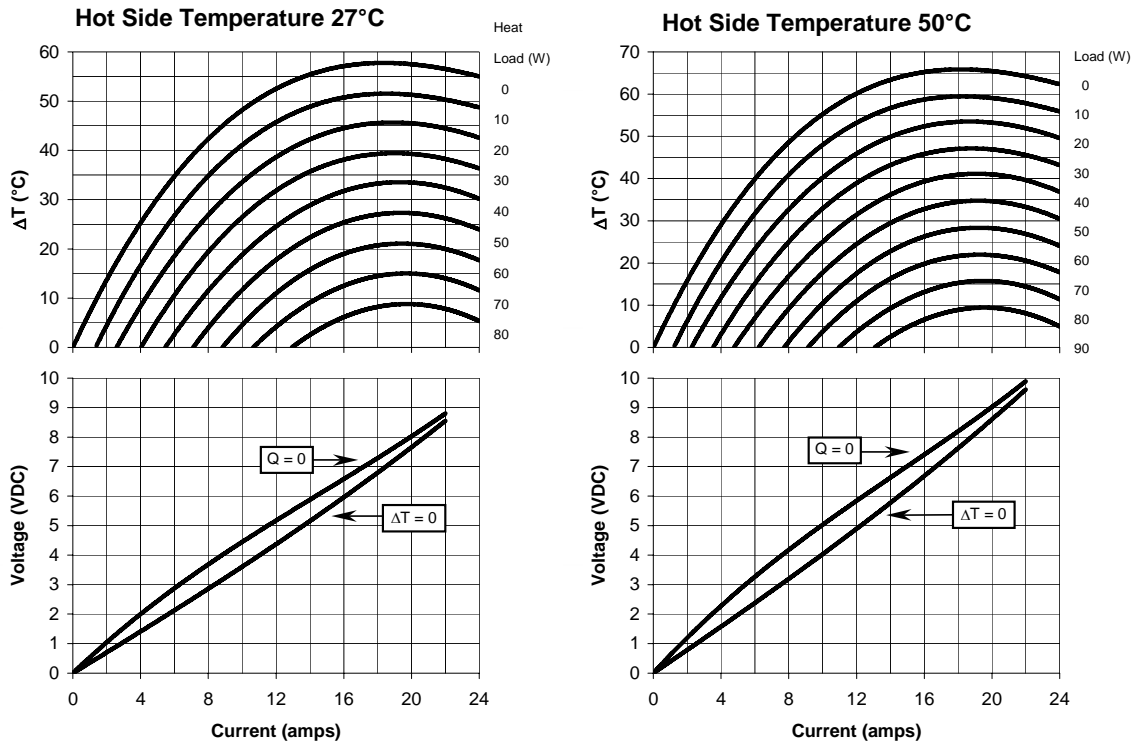
ORDERING OPTIONS

| 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 |
| XLT2423-44AC | Diced, ACR matched set, four |
| XLT2423-48AC | Diced, ACR matched set, eight |
| 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 |

AVAILABLE MODIFICATIONS

ACR Matched in sets of four and eight.
 Specifically designed for thermal cycling applications.
 Capable of rapid heating and cooling rates.
 Proven High Reliability (Data available upon request).
 Rugged construction.
 Porched configuration for enhanced leadwire strength.
 Rated operating temperature of 130°C.
 Height tolerance of ± 0.001 in. (± 0.025 mm) allows for multiple module applications.

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN



For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, consult one of our Applications Engineers.

Installation

XLT coolers are typically mounted under compression using thermal grease or flexible graphite products. Consult Marlow Industries' Thermoelectric Installation Guide for more details. For additional information, please contact one of our application engineers for technical support.

CONTACT US:

For customer support or general questions please contact a local office below or consult our website for distributor information.

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