



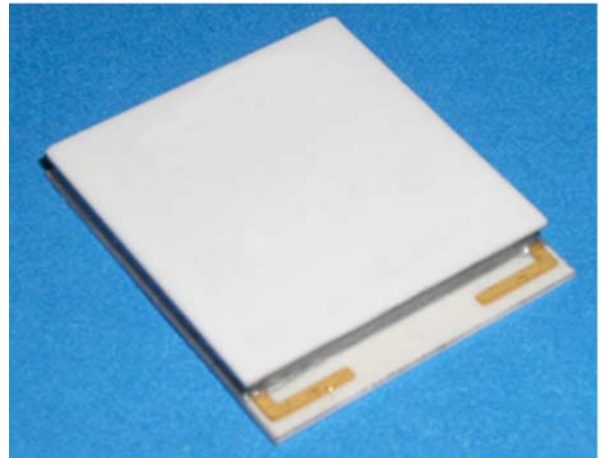
**RoHS 2002/95/EC Compliant**

TECHNICAL DATA SHEET

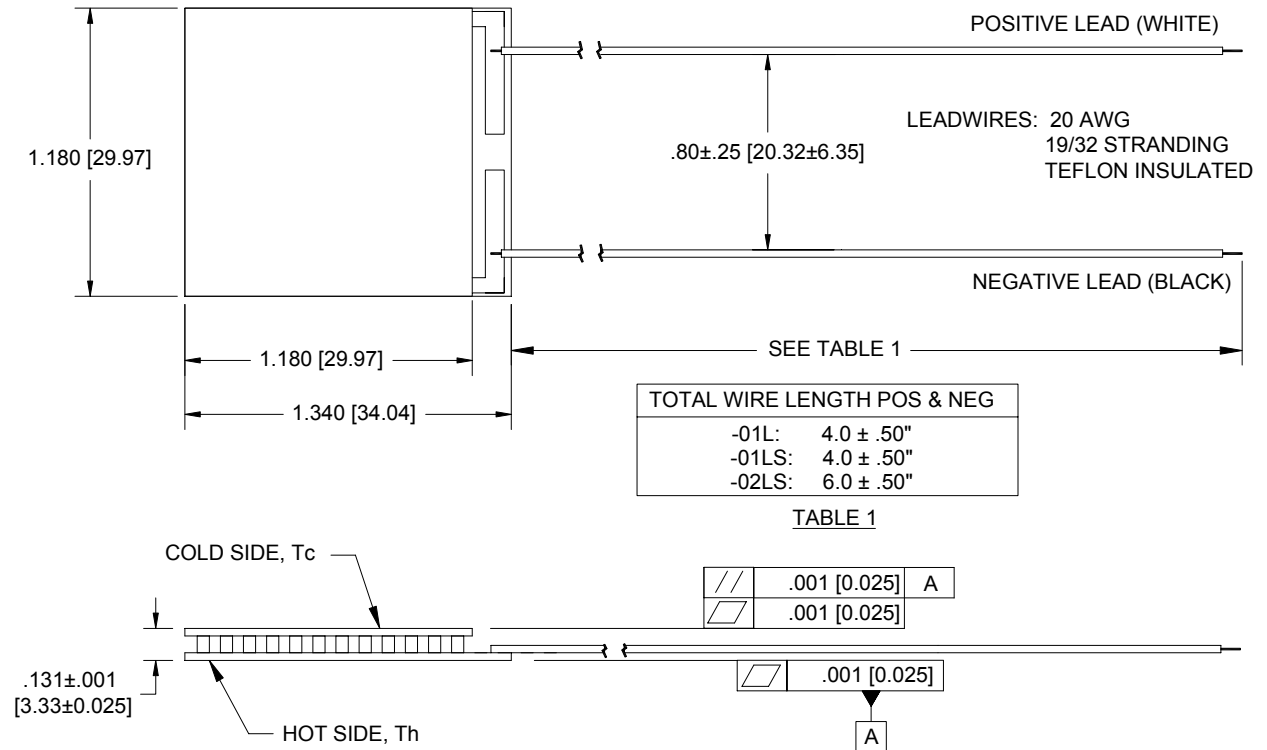
**Thermoelectric Cooler XLT2422**

**Performance Values**

|                                  |      |      |
|----------------------------------|------|------|
| Hot Side Temperature (°C)        | 27°C | 50°C |
| Δ Tmax (°C-dry N <sub>2</sub> ): | 66   | 74   |
| Qmax (watts):                    | 36   | 39   |
| I <sub>max</sub> (amps):         | 3.7  | 3.7  |
| V <sub>max</sub> (vdc):          | 14.7 | 16.4 |
| AC Resistance (ohms):            | 3.2  | ---  |



**Mechanical Characteristics**



**Ordering Options**

| Model Number | Description                           |
|--------------|---------------------------------------|
| XLT2422-00L  | Cooler, Lapped, No Lead wires         |
| XLT2422-00LS | Cooler, Lapped, No Lead wires, Sealed |
| XLT2422-01L  | Cooler, Lapped, Lead wires            |
| XLT2422-01LS | Cooler, Lapped, Lead wires, Sealed    |
| XLT2422-02LS | Cooler, Lapped, Lead wires, Sealed    |

**Features**

- **RoHS 2002/95/EC compliant**
- Specifically designed for thermal cycling applications
- 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

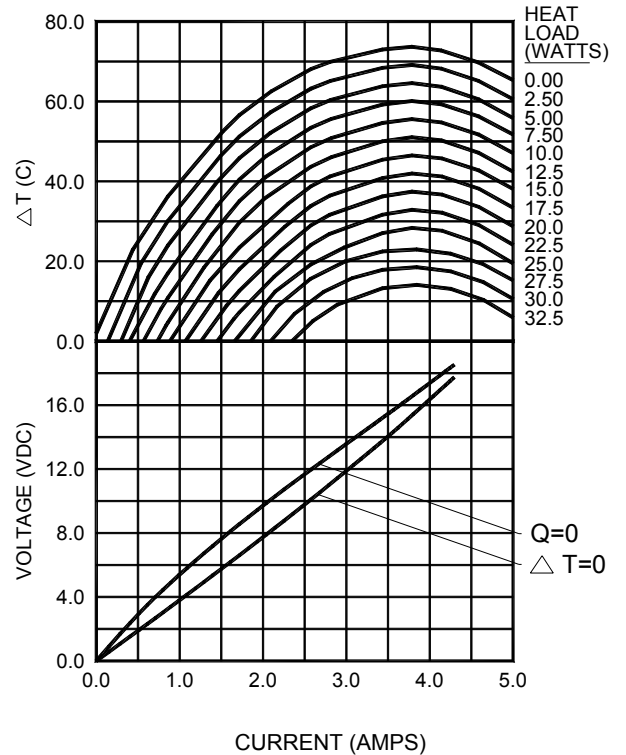
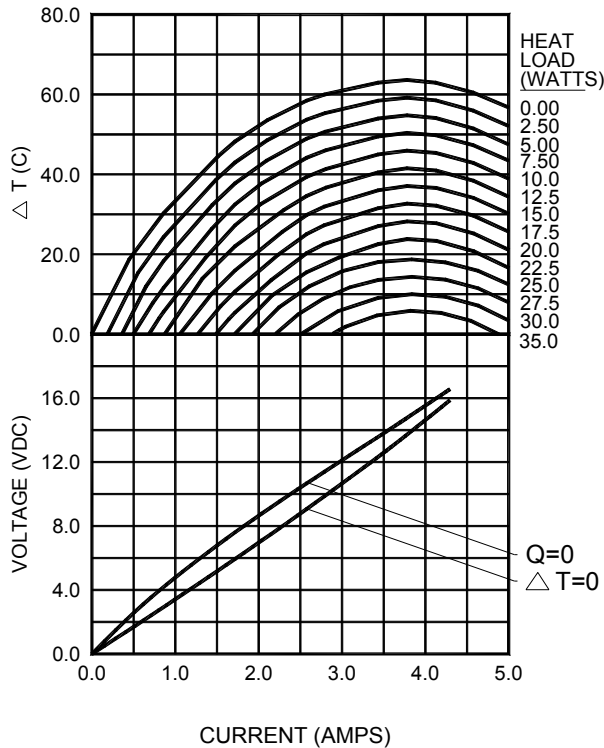


**Performance Curves**

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, 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.

**Addresses**

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