

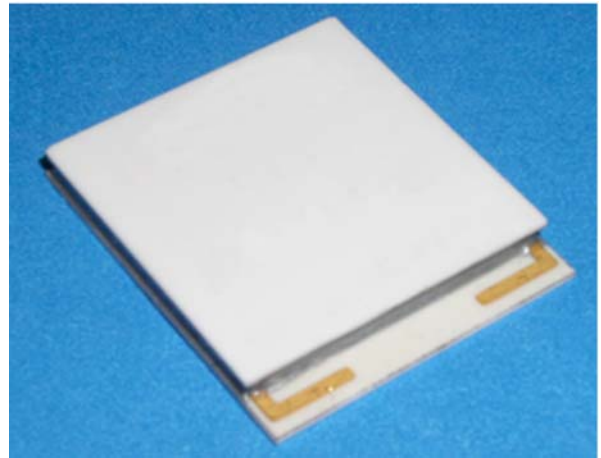


RoHS 2002/95/EC Compliant

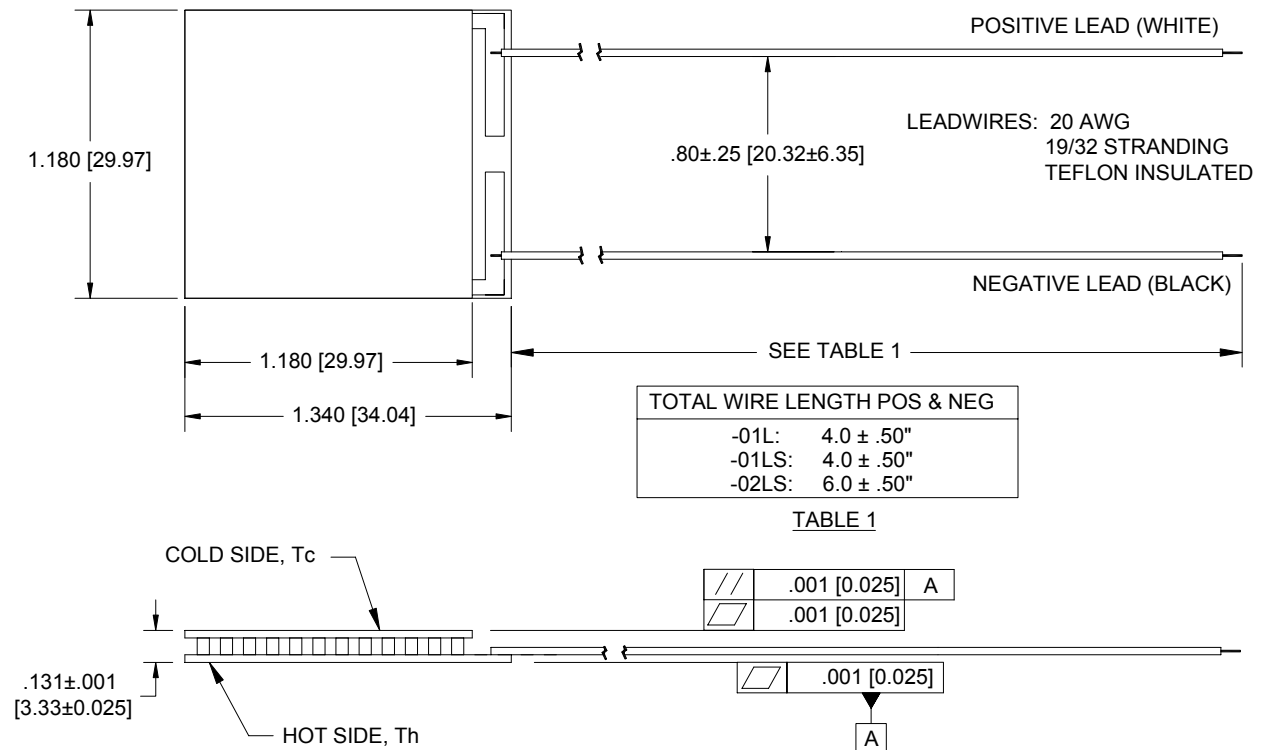
Thermoelectric Cooler XLT2422

Performance Values

Hot Side Temperature (°C)	27°C	50°C
ΔT_{max} (°C-dry N ₂):	66	74
Q _{max} (watts):	36	39
I _{max} (amps):	3.7	3.7
V _{max} (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

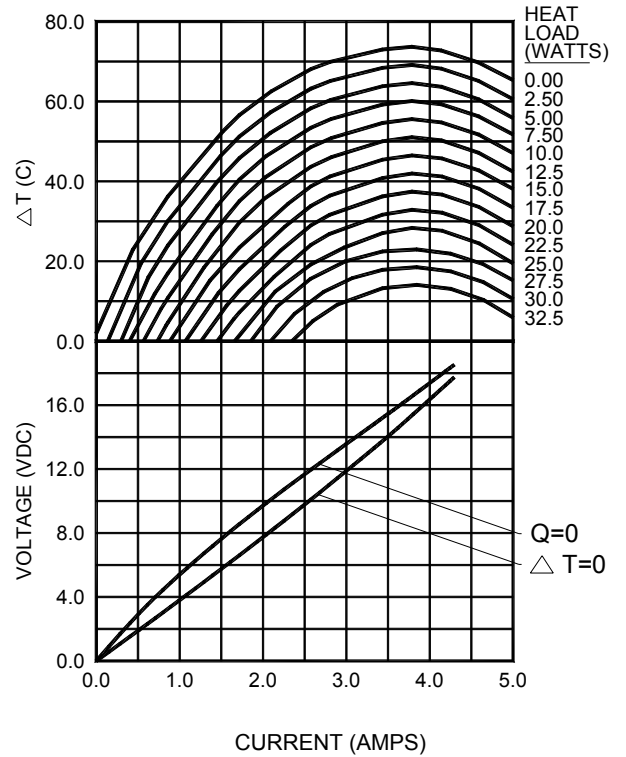
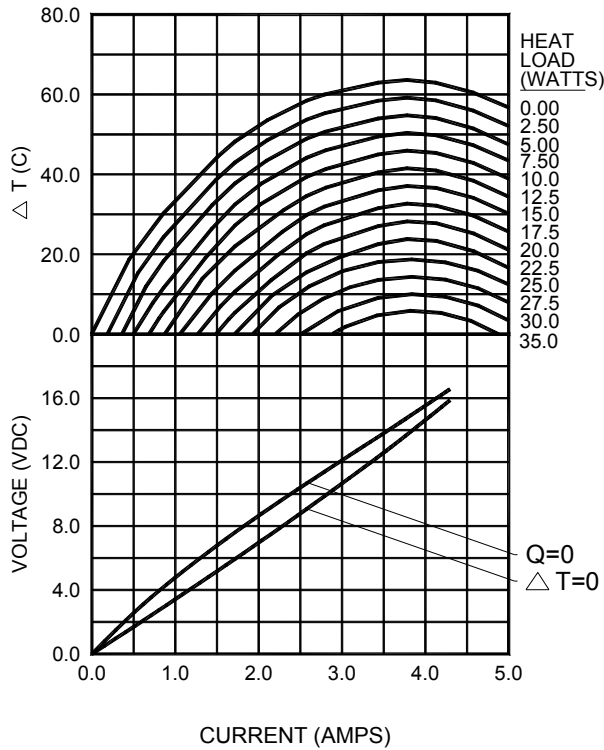


Performance Curves

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

Marlow Industries, Inc.
10451 Vista Park Road
Dallas Texas 75238-1645
214-340-4900 (tel)
214-341-5212 (fax)
www.marlow.com

Marlow Industries Europe
Aberdeen House, South Road
Haywards Heath
West Sussex RH164NG UK
+44 (0)1444-443404 (tel)
+44 (0)1444-443334(fax)

Marlow Industries Japan
1-1-8-401
Uehara, Shibuya-ku
Tokyo, Japan 151-0064
+81 (3) 5454-5280 (tel)
+81 (3) 5454-5281(fax)