

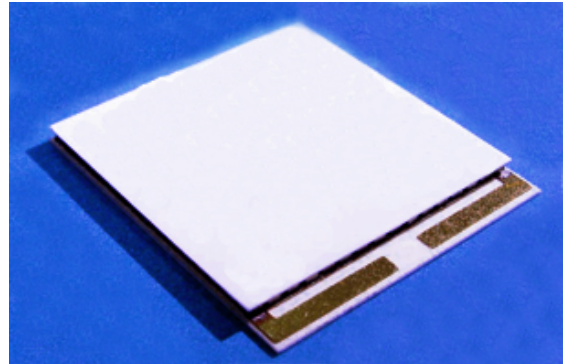


**RoHS 2002/95/EC Compliant**

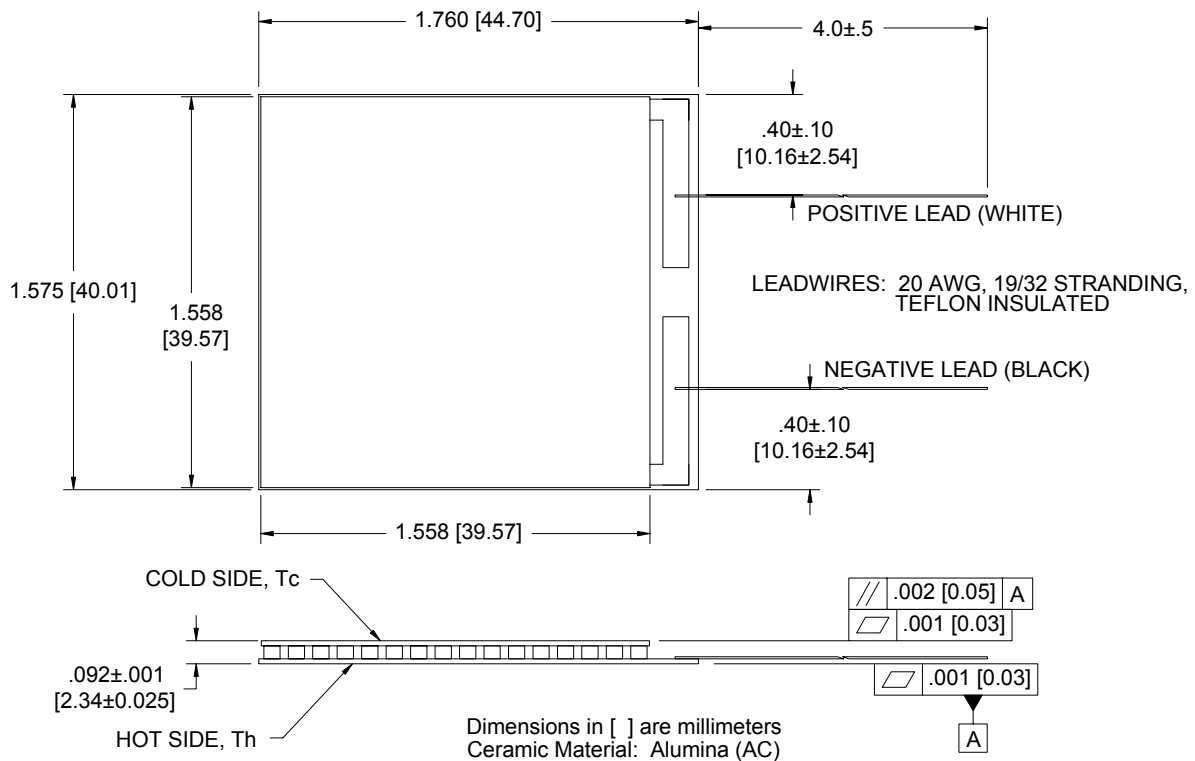
## Thermoelectric Cooler XLT2418

### 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
XLT2418-07AC	No Leadwires, Sealed

### Features

- **RoHS 2002/95/EC compliant**
- 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

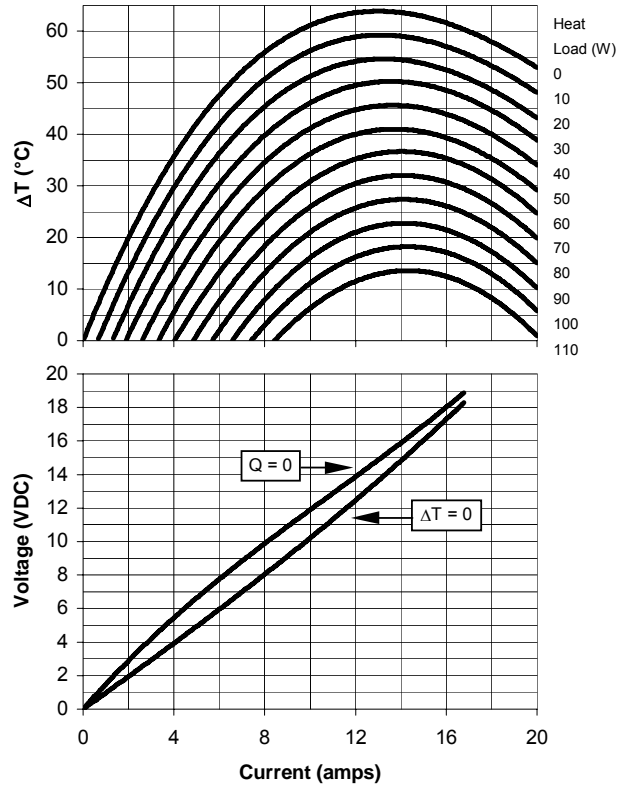
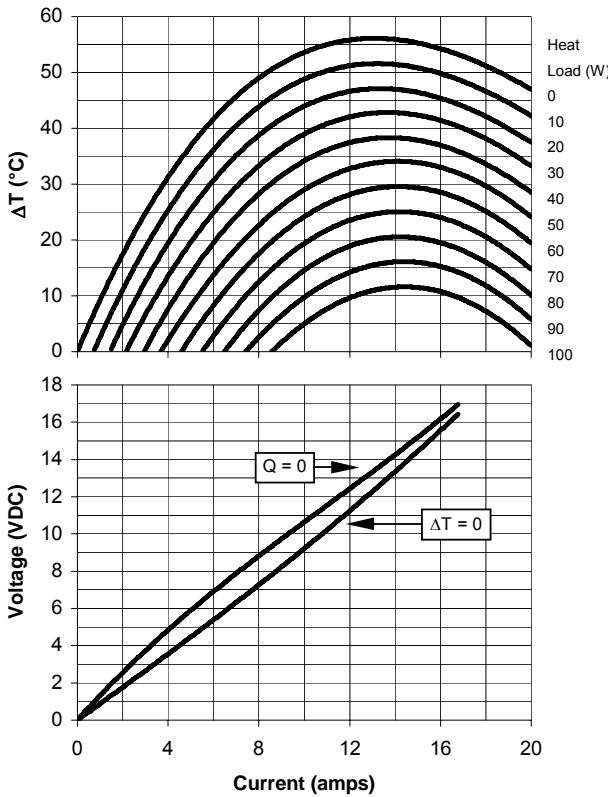


**Performance Curves**

Environment: One atmosphere dry nitrogen

Hot Side Temperature: 27°C  
TA(C) = 27

Hot Side Temperature 50°C  
TA(C) = 50



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](http://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)