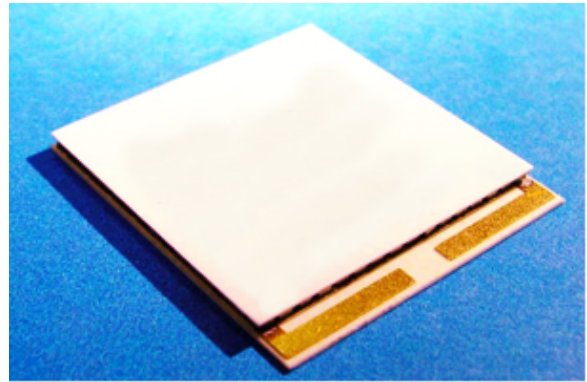




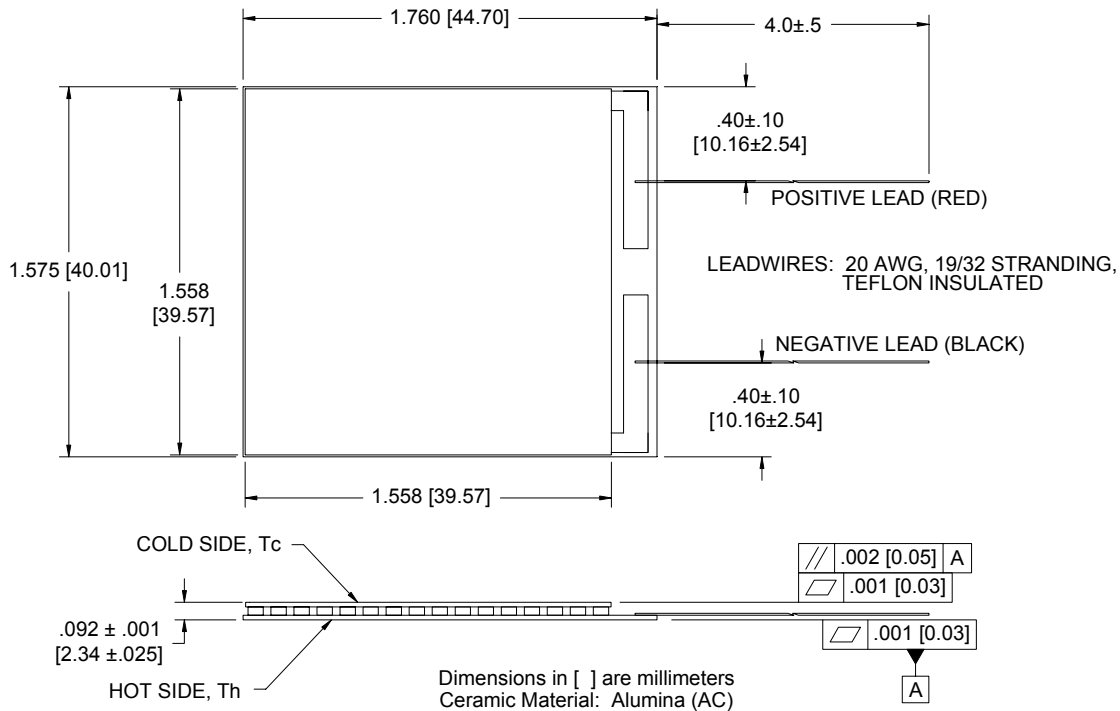
## Thermoelectric Cooler XLT2385

### Performance Values

Hot Side Temperature (°C)	27°C	50°C
$\Delta T_{max}$ (°C-dry N <sub>2</sub> ):	56.5	64.0
Qmax (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
XLT2385-03AC	Leadwires
XLT2385-04AC	No Leadwires
XLT2385-05AC	Leadwires, Sealed
XLT2385-06AC	Leadwires, Diced
XLT2385-07AC	No Leadwires, Sealed

### Features

- 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
- Leadwires attached with 183°C solder
- Rated operating temperature of 130°C
- Height tolerance of ± .001 in. (± .025 mm) allows for multiple module applications

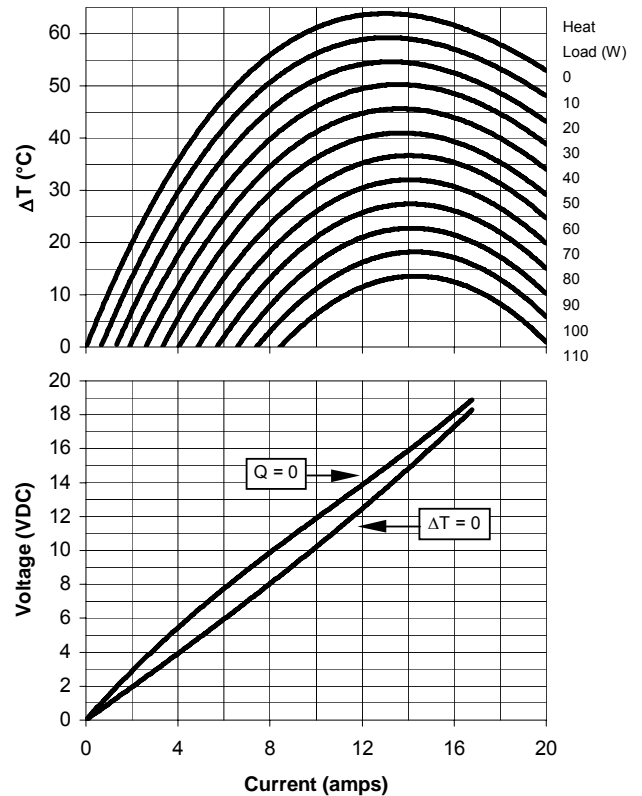
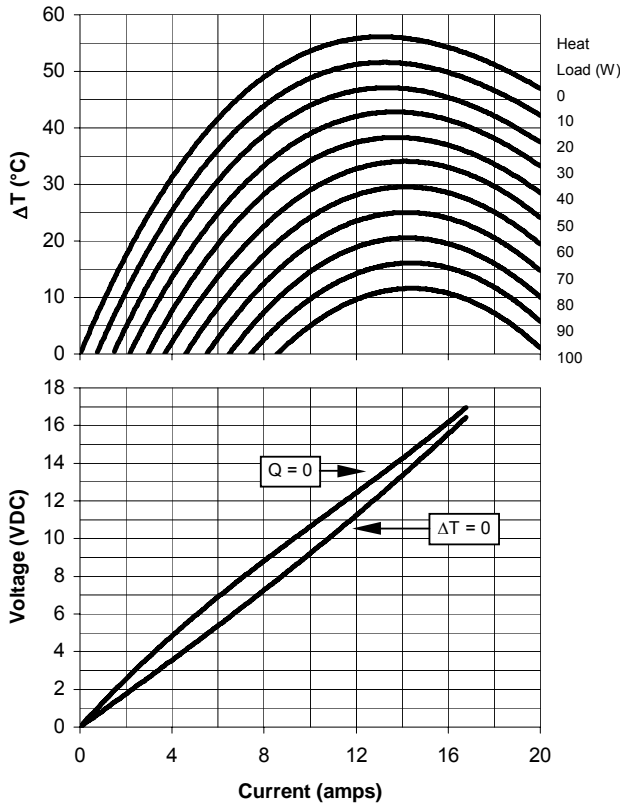


**Performance Curves**

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.

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