



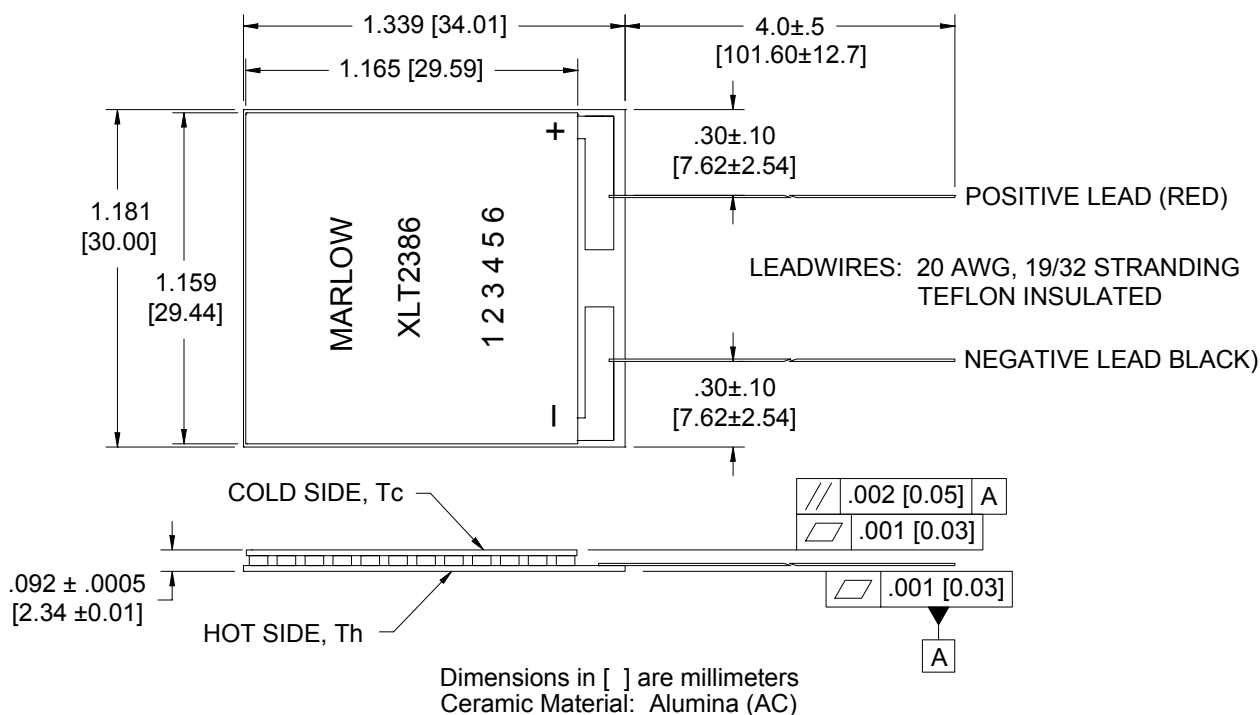
Thermoelectric Cooler XLT2386

Performance Values

Hot Side Temperature (°C)	27°C	50°C
ΔT_{max} (°C-dry N ₂):	56.5	64.0
Q _{max} (watts):	72	79
I _{max} (amps):	13.9	13.8
V _{max} (vdc):	8.0	8.8
AC Resistance (ohms):	0.47	---



Mechanical Characteristics



Ordering Options

Model Number	Description
XLT2386-03AC	No metallized exterior, with Leadwires
XLT2386-04AC	No metallized exterior, without Leadwires
XLT2386-05AC	No metallized exterior, Leadwires, Diced
XLT2386-07AC	No metallized exterior, Leadwires, Sealed
XLT2386-11AC	No markings on hot or cold side

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 150°C
- Height tolerance of ± 0.0005 in. (± 0.01 mm) allows for multiple module applications

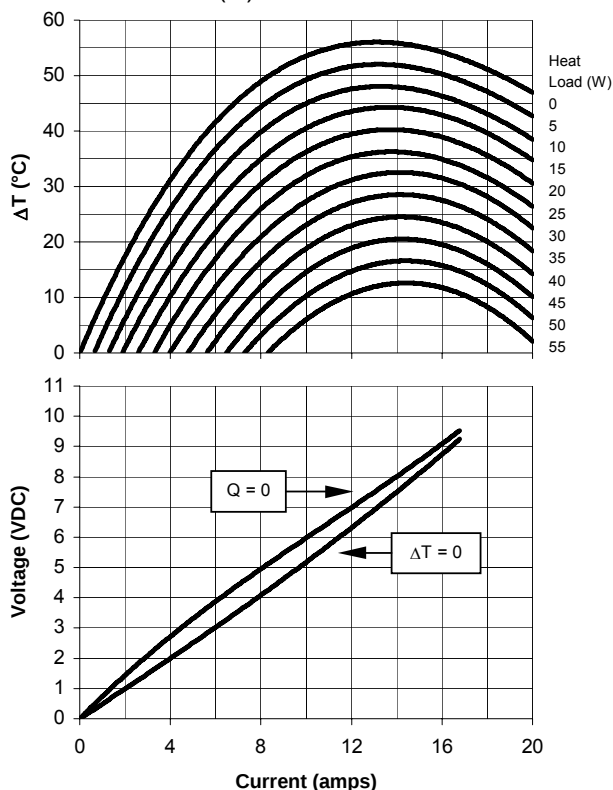


Performance Curves

Environment: One atmosphere dry nitrogen

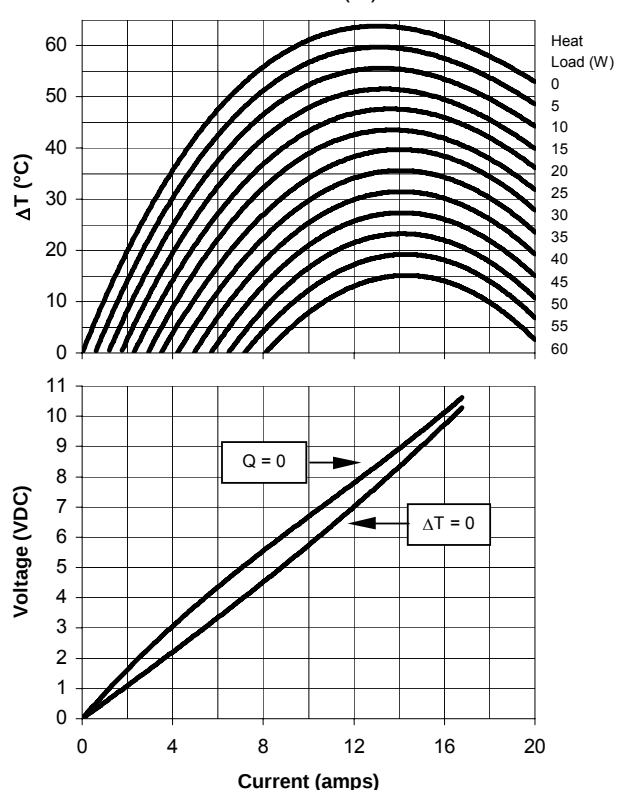
Hot Side Temperature: 27°C

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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