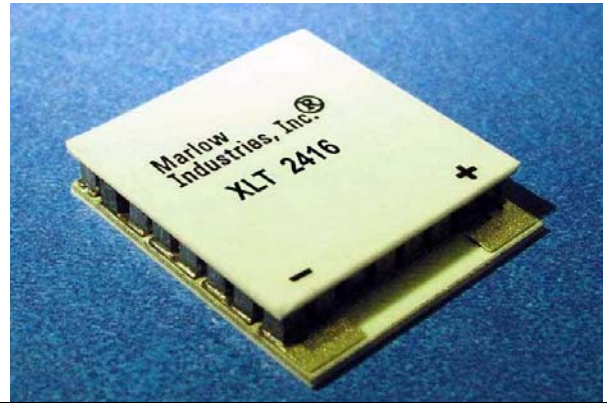
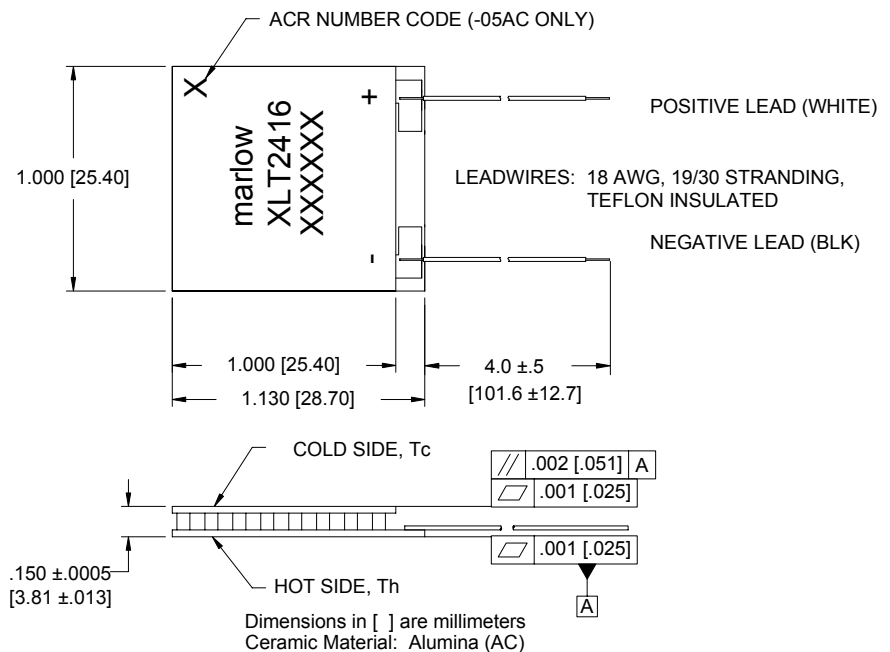



RoHS 2002/95/EC Compliant
Thermoelectric Cooler XLT2416
Performance Values

Hot Side Temperature (°C)	27°C	50°C
ΔT_{max} (°C-dry N ₂):	56.0	63.5
Q _{max} (watts):	33.9	37.3
I _{max} (amps):	14.7	14.6
V _{max} (vdc):	3.6	4.0
AC Resistance (ohms):	0.20	---


Mechanical Characteristics

ACR Number Code	ACR Range (ohms)	
1	0.166	0.169
2	0.169	0.172
3	0.172	0.175
4	0.175	0.178
5	0.178	0.181
6	0.181	0.184
7	0.184	0.187
8	0.187	0.190
9	0.190	0.193
10	0.193	0.196
11	0.196	0.199
12	0.199	0.202
13	0.202	0.205
14	0.205	0.208
15	0.208	0.211


Ordering Options

Model Number	Description
XLT2416-03AC	Leadwires
XLT2416-04AC	Leadwires, Sealed
XLT2416-05AC	Leadwires, ACR Number Coded

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 ± 0.0005 in. (± .013 mm) allows for multiple module applications
- Modules with number coded AC resistance available


marlow industries

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a global leader in thermoelectric solutions

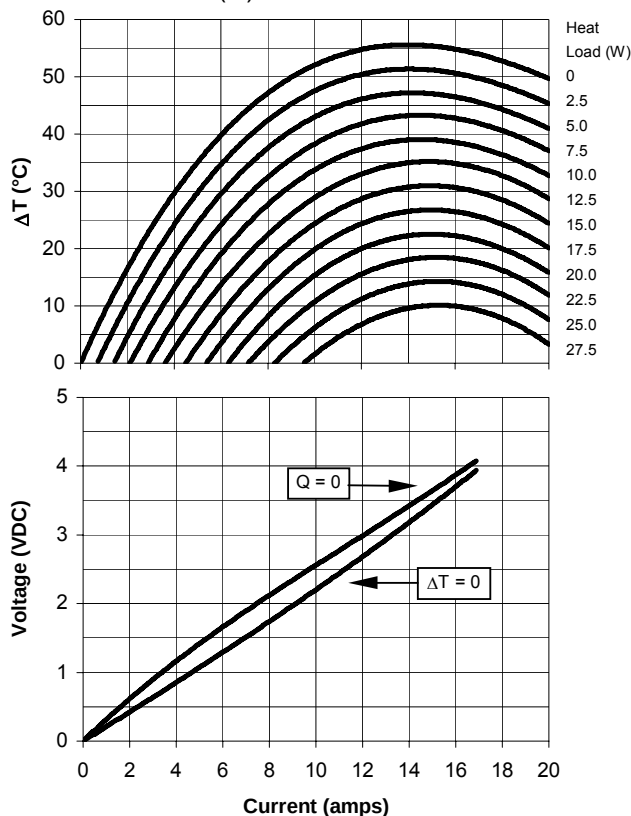
TECHNICAL DATA SHEET

Performance Curves

Environment: One atmosphere dry nitrogen

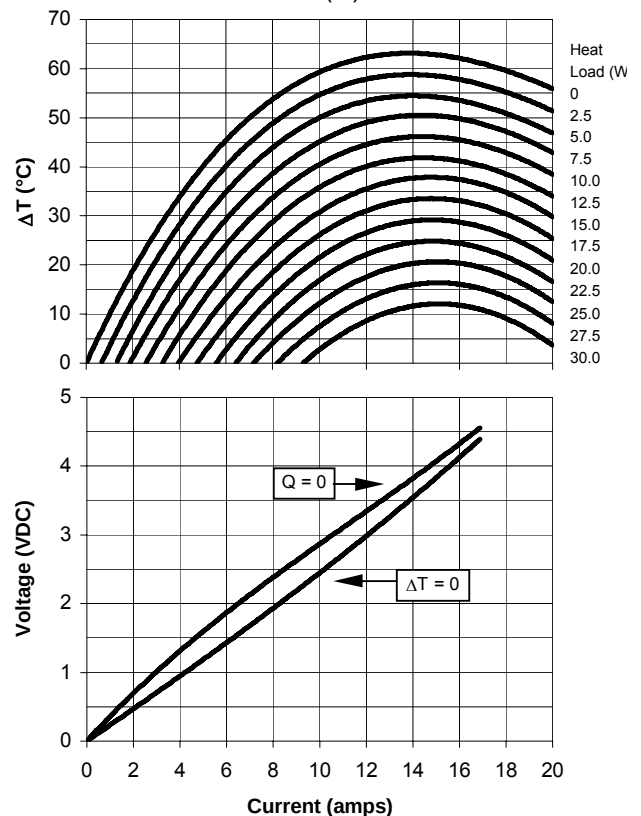
Hot Side Temperature: 27°C

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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