

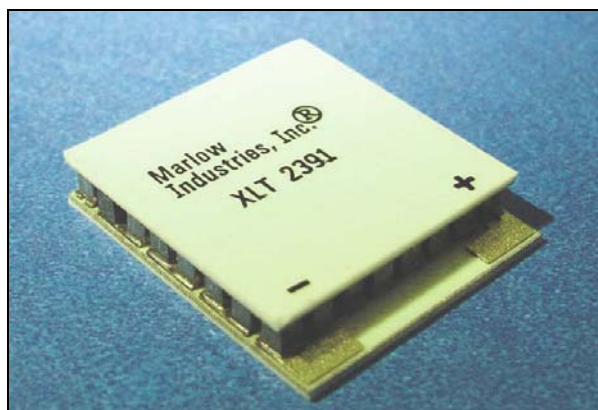


Thermoelectric Cooler

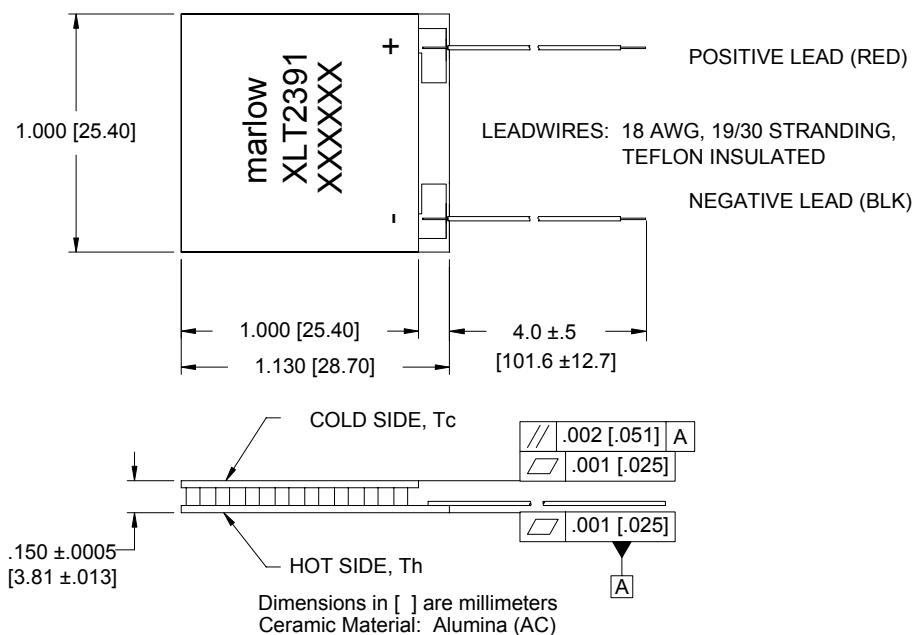
XLT2391

Performance Values

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	56.0	63.5
Qmax (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



Ordering Options

Model Number	Description
XLT2391-03AC	Leadwires
XLT2391-04AC	Leadwires, Sealed

Features

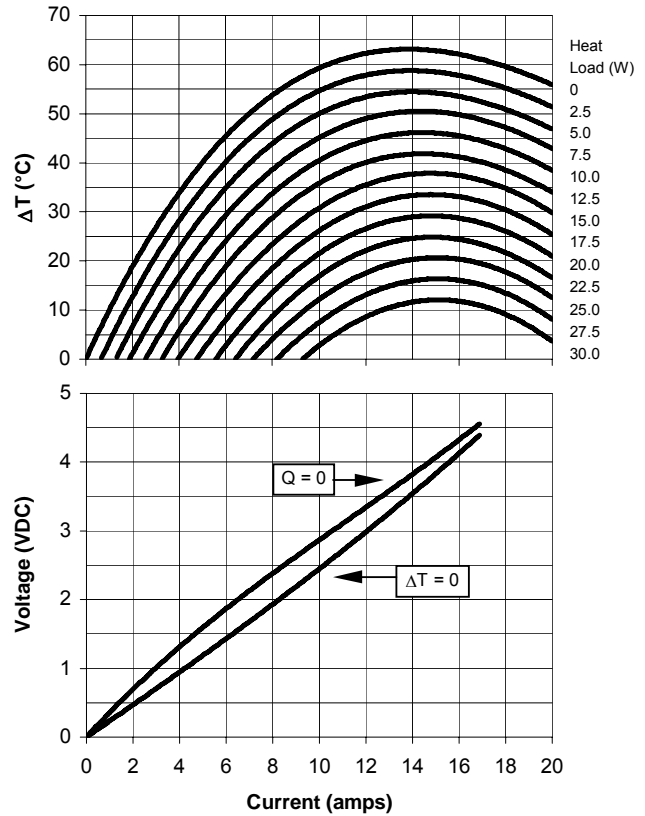
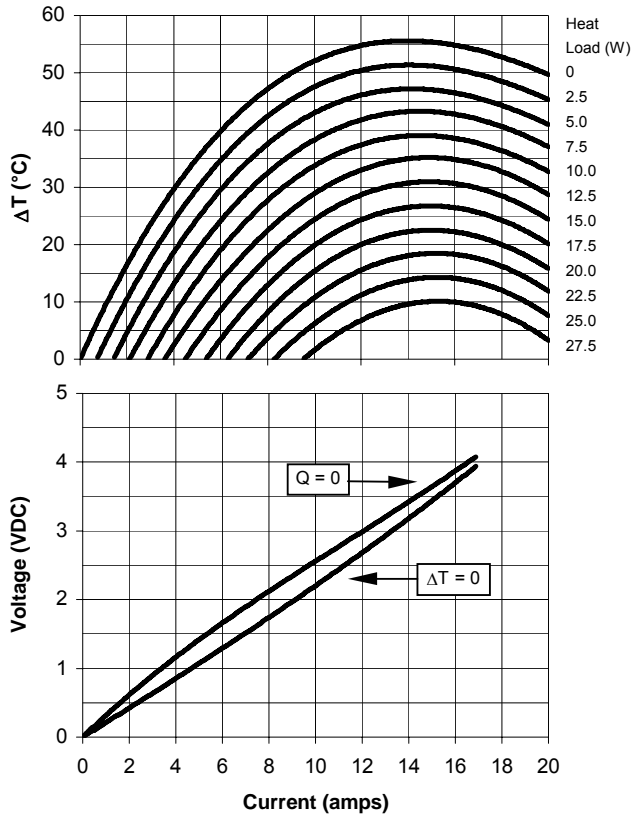
- Specifically designed for thermal cycling applications
- Capable of rapid heating and cooling rates
- Proven High Reliability (Data available upon request)
- Rugged construction
- Porched configuration for enhanced leadwire strength
- Leadwires attached with 183°C solder
- Rated operating temperature of 130°C
- Height tolerance of ± 0.0005 in. (± .013 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.



Marlow Industries, Inc.
10451 Vista Park Road
Dallas Texas 75238-1645
TEL: 214-340-4900
FAX: 214-341-5212
Internet: www.marlow.com

Marlow Industries Europe, Inc.
Aberdeen House, South Road
Haywards Heath
West Sussex RH164NG UK
TEL: +44 (0)1444-443404
FAX: +44 (0)1444-443334

Marlow Industries Asia, Inc.
1-1-8-401
Uehara, Shibuya-ku
Tokyo, Japan 151-0064
TEL: +81 (3) 5454-5280
FAX: +81 (3) 5454-5281