

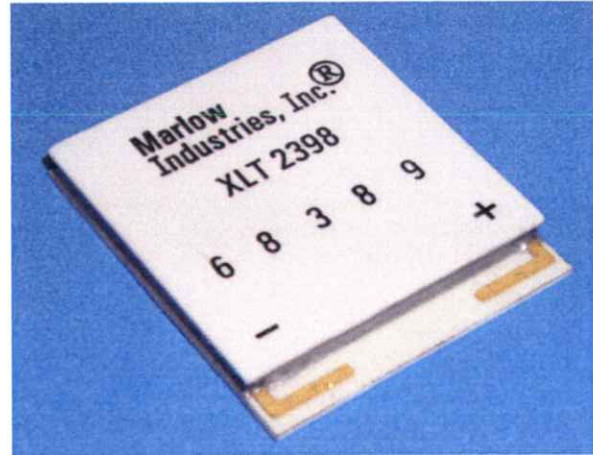


## Thermoelectric Cooler

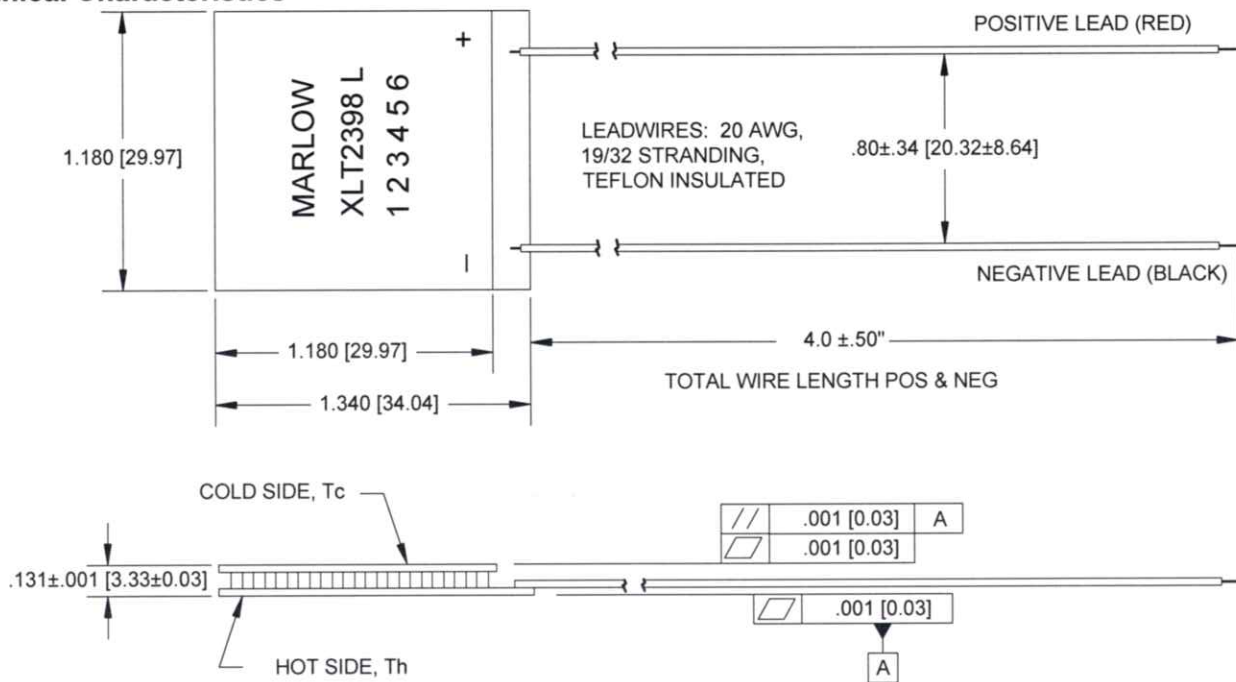
## XLT2398

### Performance Values

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N <sub>2</sub> ):	62	70
Qmax (watts):	34	37
I <sub>max</sub> (amps):	3.6	3.5
V <sub>max</sub> (vdc):	14.3	15.9
AC Resistance (ohms):	3.35	---



### Mechanical Characteristics



### Ordering Options

Model Number	Description
XLT2398-00L	Lapped
XLT2398-01L	Lapped, Leadwires

### Features

- Specifically designed for thermal cycling applications
- 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 ± 0.001 in. [± 0.03 mm] allows for multiple module applications

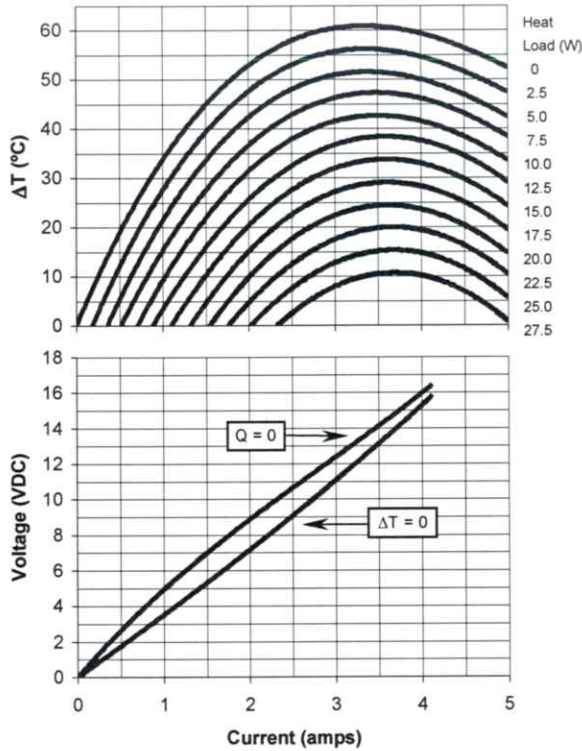
Performance Curves

Environment: One atmosphere dry nitrogen

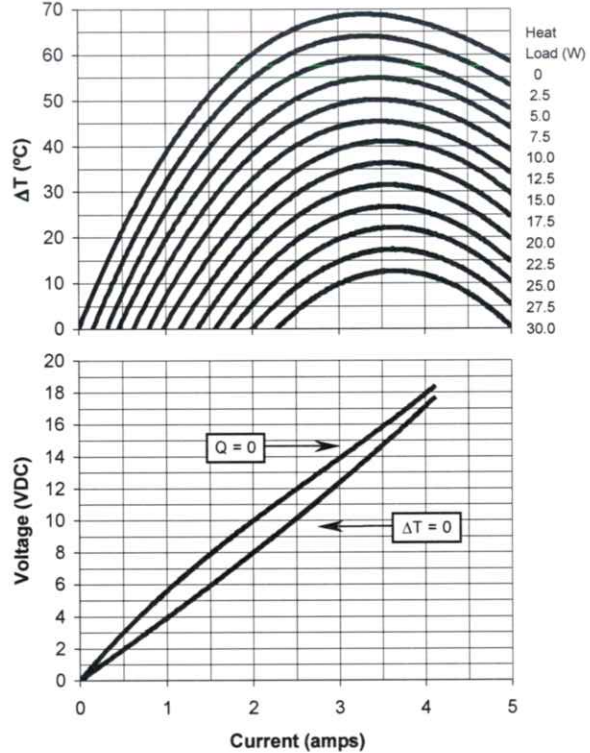
Hot Side Temperature: 27°C

Hot Side Temperature 50°C

T<sub>A</sub> = 27°C - Nitrogen (1 ATM)



T<sub>A</sub> = 50°C - Nitrogen (1 ATM)



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](http://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