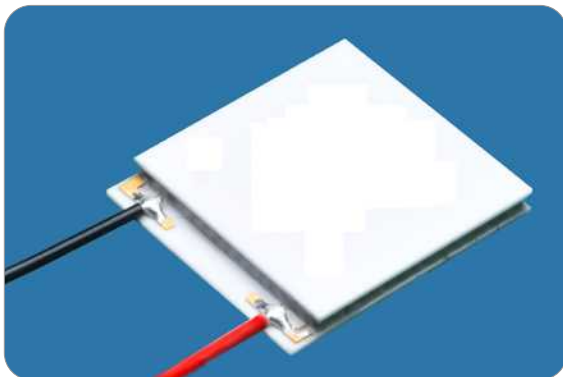




marlow industries, inc.®  
Subsidiary of II-VI INCORPORATED

# TECHNICAL DATA SHEET



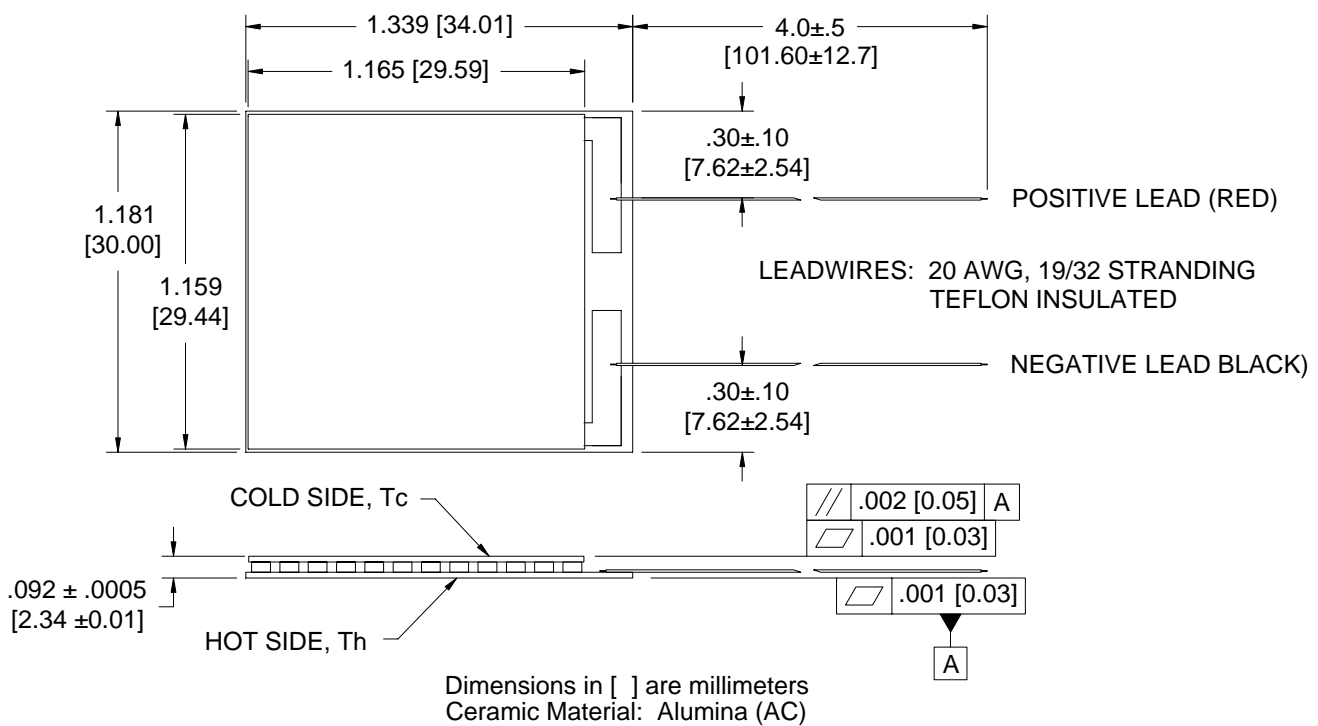
## XLT2386

Single-Stage Thermoelectric Cooler

### PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N <sub>2</sub> ):	56.5	64.0
Qmax (watts):	72	79
I <sub>max</sub> (amps):	13.9	13.8
V <sub>max</sub> (vdc):	8.0	8.8
AC Resistance (ohms):	0.47	---

### MECHANICAL CHARACTERISTICS



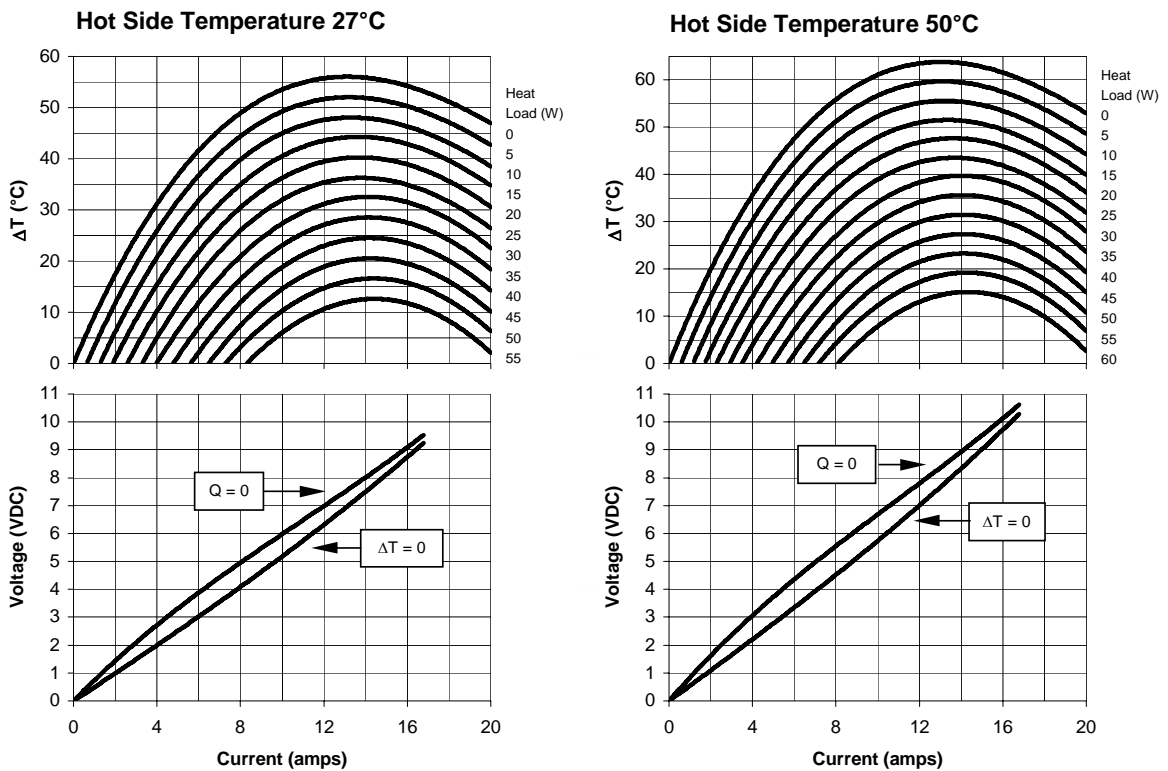
### ORDERING OPTIONS

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

### AVAILABLE MODIFICATIONS

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. (± .001 mm) allows for multiple module applications.  
**-04AC, -11AC:** RoHS 2002/95/EC Compliant.

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN



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.

CONTACT US:

For customer support or general questions please contact a local office below or consult our website for distributor information.

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