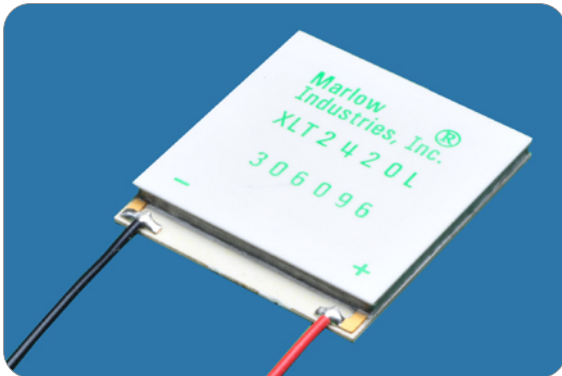




marlow industries, inc.®
Subsidiary of II-VI INCORPORATED

TECHNICAL DATA SHEET



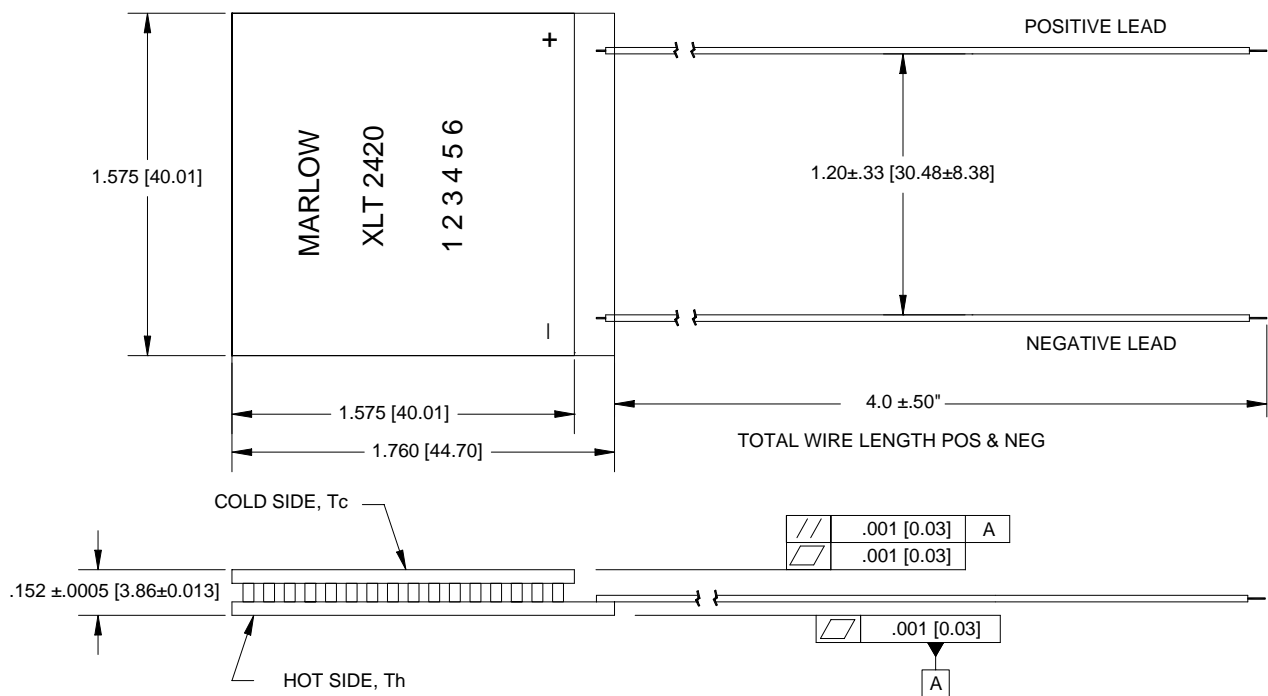
XLT2420

Single-Stage Thermoelectric Cooler
RoHS 2002/95/EC Compliant

PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	59	67
Qmax (watts):	52	57
Imax (amps):	5.6	5.6
Vmax (vdc):	14.4	16.0
AC Resistance (ohms):	2.2	---

MECHANICAL CHARACTERISTICS



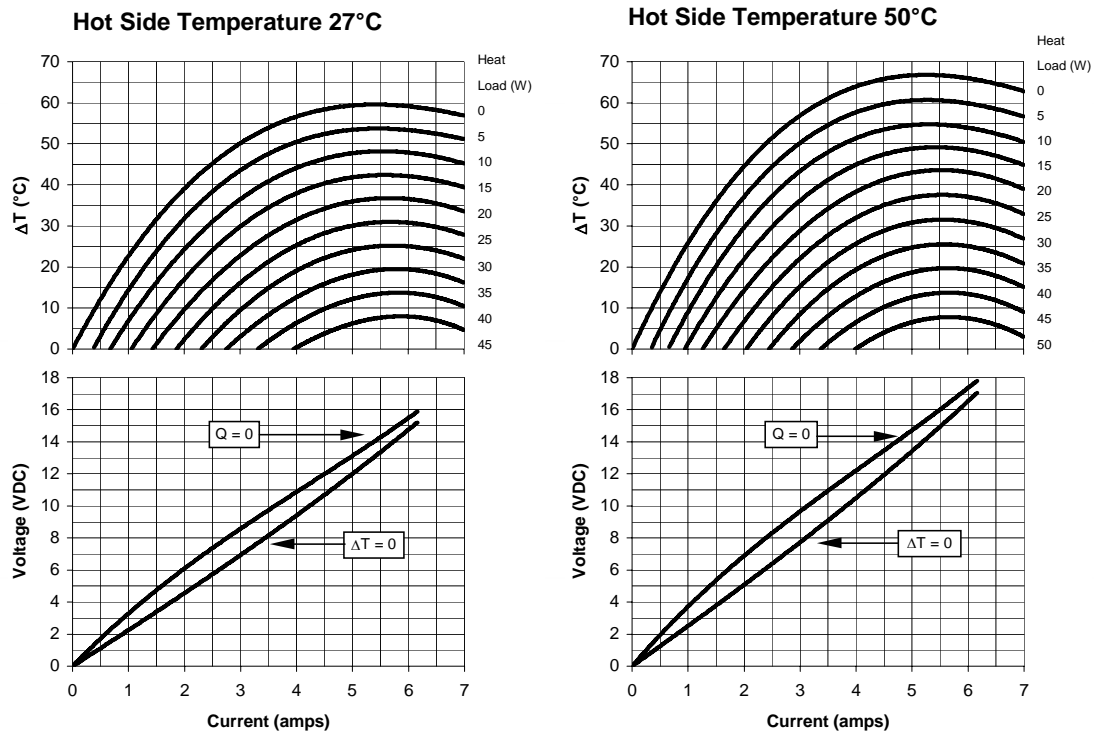
ORDERING OPTIONS

Model Number	Description
XLT2420-00L	Lapped Model
XLT2420-01L	Lapped Model with Leadwires
XLT2420-00LS	Lapped and Sealed Model
XLT2420-01LS	Lapped and Sealed Model with Leadwires

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 218°C solder.
Rated operating temperature of 130°C.
Height tolerance of ± 0.001 in. (± 0.03 mm) allows for multiple module applications.
Modules with matched AC Resistance available (Optional).

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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