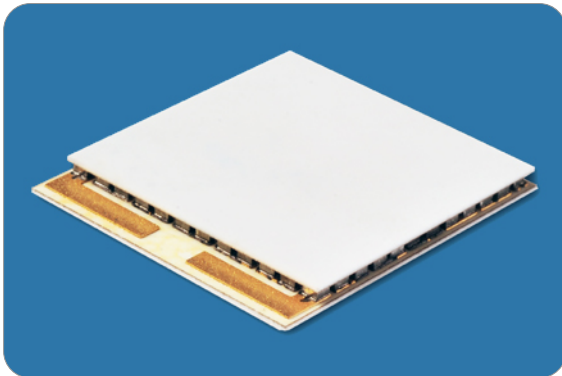




marlow industries, inc.®
Subsidiary of II-VI INCORPORATED

TECHNICAL DATA SHEET



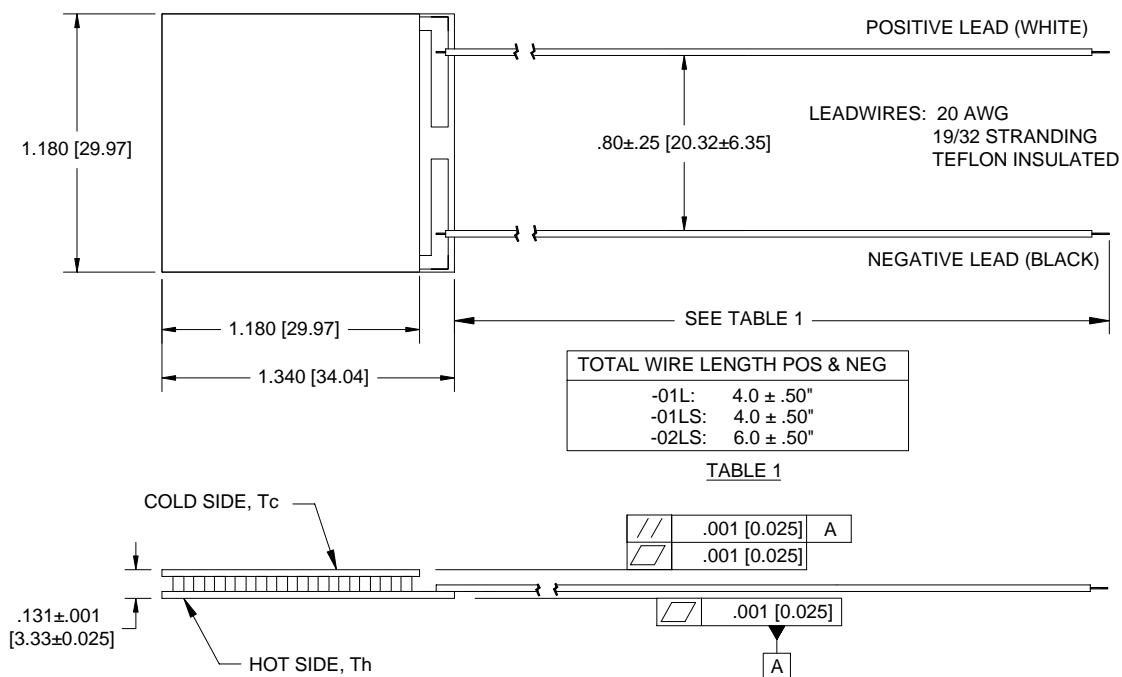
XLT2422

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):	66	74
Qmax (watts):	36	39
Imax (amps):	3.7	3.7
Vmax (vdc):	14.7	16.4
AC Resistance (ohms):	3.2	---

MECHANICAL CHARACTERISTICS



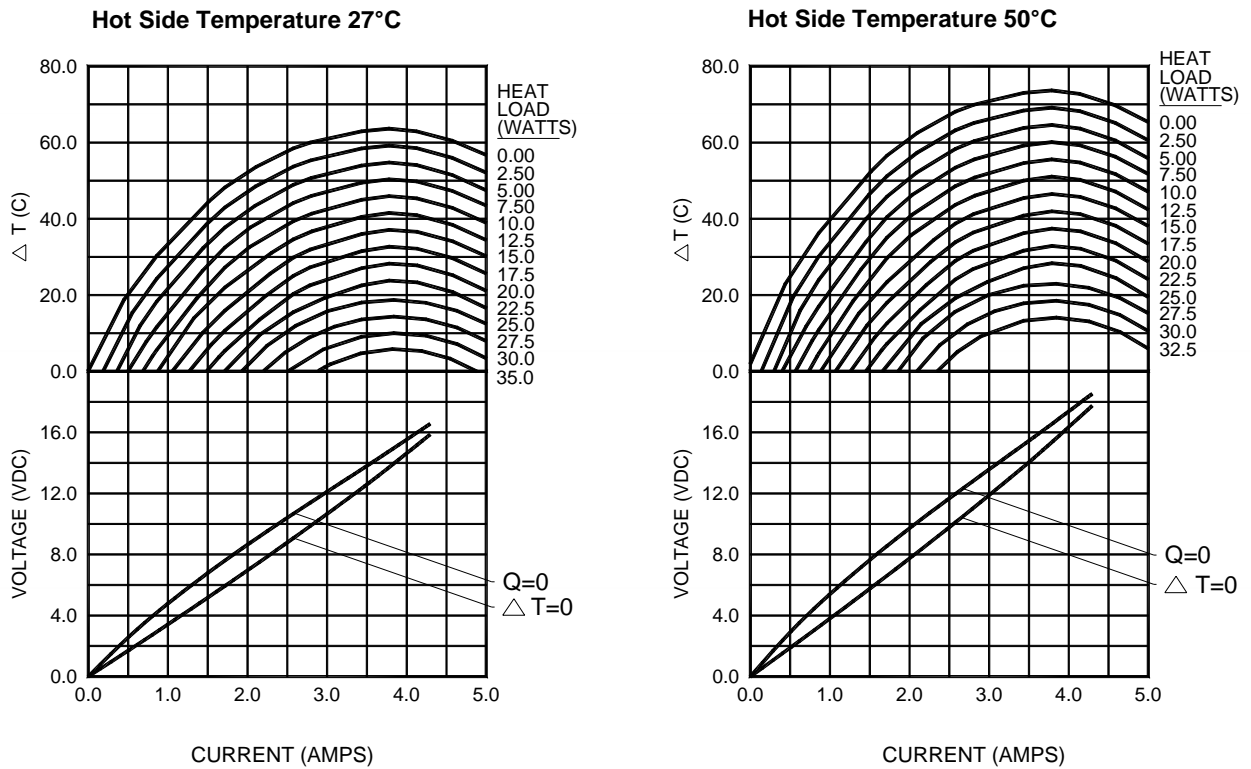
ORDERING OPTIONS

Model Number	Description
XLT2422-00L	Cooler, Lapped, No Lead wires
XLT2422-00LS	Cooler, Lapped, No Lead wires, Sealed
XLT2422-01L	Cooler, Lapped, Lead wires
XLT2422-01LS	Cooler, Lapped, Lead wires, Sealed
XLT2422-02LS	Cooler, Lapped, Lead wires, Sealed

AVAILABLE MODIFICATIONS

Specifically designed for thermal cycling applications.
Proven High Reliability (Data available upon request).
Rugged construction.
Porched configuration for enhanced leadwire strength.
Rated operating temperature of 130°C.
Height tolerance of ± 0.001 in. [± 0.025 mm] allows for multiple module applications.

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.

Marlow Industries, Inc.
10451 Vista Park Road
Dallas Texas 75238-1645
214-340-4900 (tel)
214-341-5212 (fax)
www.marlow.com

Marlow Industries Europe GmbH
Im Tiefen See 58
64293 Darmstadt - Germany
Tel.: +49 (0) 6151 8806 -0
Fax.: +49 (0) 6151 8806 9455

II-VI Japan Inc.
WBG Marive East 17F
2-6 Nakase, Mihama-ku
Chiba-Shi, Chiba 261-7117
Japan
81 43 297 2693 (tel)
81 43 297 3003 (fax)
center@ii-vi.co.jp
www.ii-vi.co.jp

II-VI Singapore Pte., Ltd.
Blk. 5012, Techplace II
#04-07 & 05-07/12, Ang Mo Kio Ave. 5
Singapore 569876
(65) 6481 8215 (tel)
(65) 6481 8702 (fax)
info@ii-vi.com.sg
www.ii-vi.com.sg

Marlow Industries China, II-VI
Technologies Beijing
A subsidiary of II-VI Incorporated
Rm 202, 1# Lize 2nd Middle Road
Wangjing, Chaoyang District
Beijing 100102 China
010-64398226 ext 105 (tel)
010-64399315 (fax)
info@iivibj.com