

XLT3-8

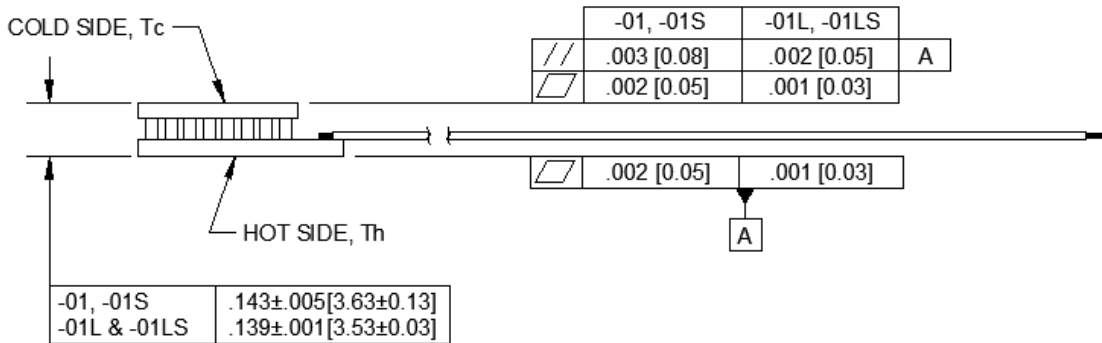
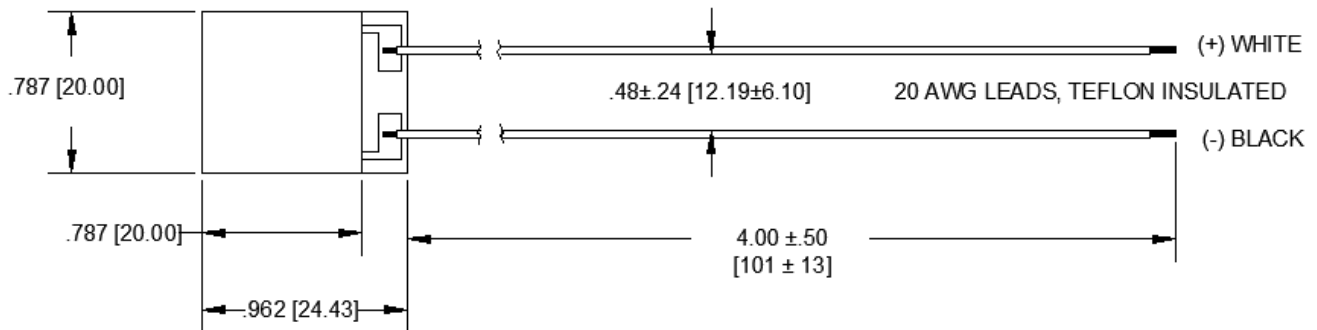
Single-Stage Thermoelectric Module

RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	64	72
Qmax (watts):	16.89	18.73
I _{max} (amps):	7.4	7.3
V _{max} (vdc):	3.49	3.89
AC Resistance (ohms):	.40	---

MECHANICAL CHARACTERISTICS



-01, -01S	.143 ± .005 [3.63 ± 0.13]
-01L & -01LS	.139 ± .001 [3.53 ± 0.03]

Ceramic Material: Alumina (AC)

Dimensions in [] are millimeters

ORDERING OPTIONS

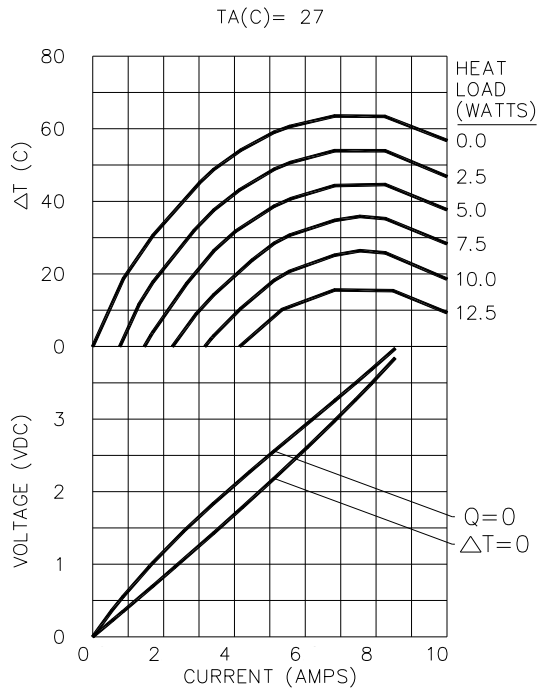
Model Number	Description
XLT3-8-01	Leadwires
XLT3-8-01L	Leadwires, Lapped
XLT3-8-01S	Leadwires, Sealed
XLT3-8-01LS	Leadwires, Lapped, Sealed

PRODUCT FEATURES

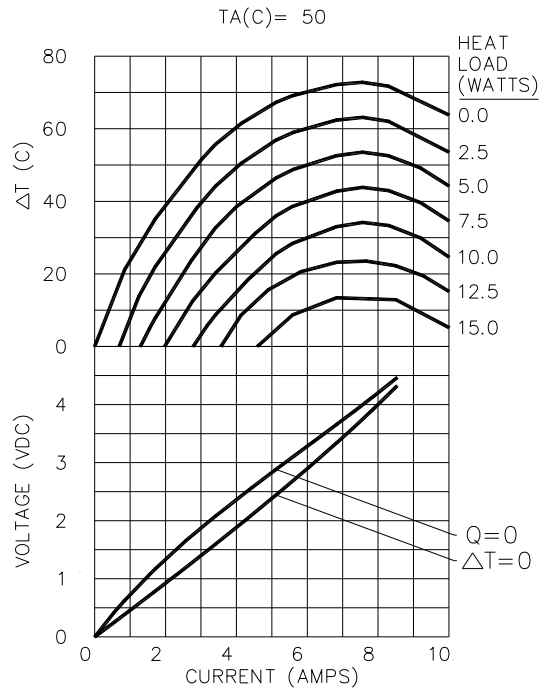
- Rated operating temperature of 125°C.
- Designed for temperature cycling applications.
- Capable of rapid heating and cooling rates.
- Porch configuration for high strength leadwire connection.
- RTV sealing option available.
- Lapped option available for multiple module applications.

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN

Hot Side Temperature 27°C



Hot Side Temperature 50°C



For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, contact one of our Applications Engineers at 877-627-5691.

Installation

Recommended mounting method: Clamp with uniform pressure to a flat surface with thermal interface material. For additional information, please refer to our TEC Installation Guide.

Operation Cautions

For maximum reliability, storage and operation below 125°C in a non-condensing environment is recommended. To minimize thermal stress, use linear/proportional temperature control or a similar method rather than an ON/OFF method.

CONTACT US:

For customer support or general questions please contact a local office below or visit our website at www.marlow.com.

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