

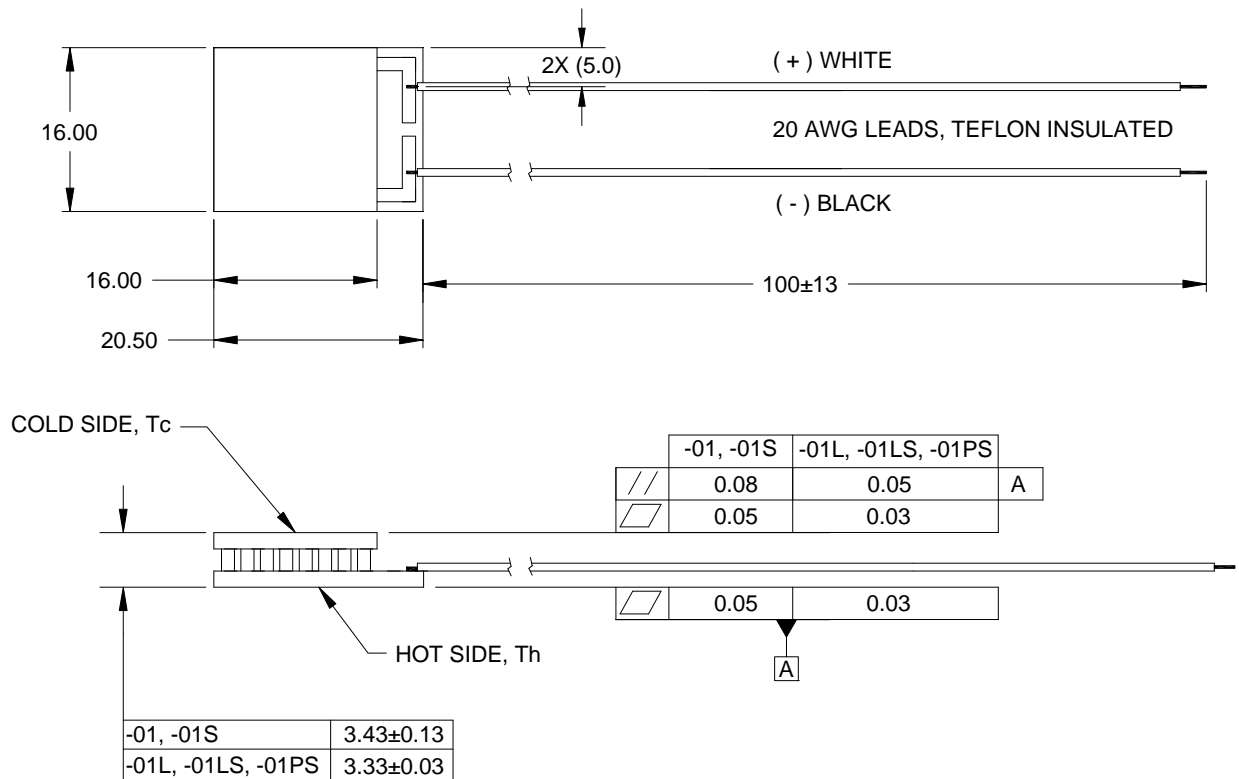
XLT3-4

Single-Stage Thermoelectric Cooler
RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
ΔT_{max} (°C-dry N ₂):	65	73
Q _{max} (watts):	9	10
I _{max} (amps):	3.7	3.7
V _{max} (vdc):	3.6	4.1
AC Resistance (ohms):	0.8	---

MECHANICAL CHARACTERISTICS



ORDERING OPTIONS

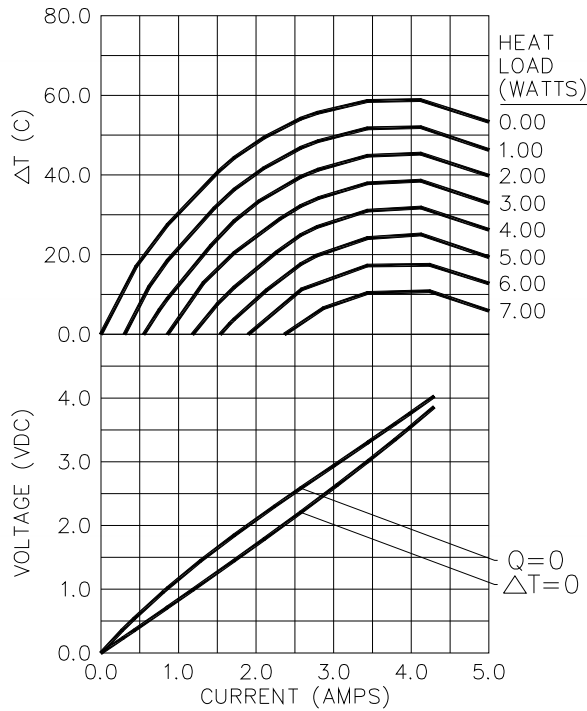
Model Number	Description
XLT3-4-01	Base Model
XLT3-4-01L	Lapped
XLT3-4-01S	Sealed with RTV
XLT3-4-01LS	Lapped and Sealed with RTV
XLT3-4-01PS	Lapped and Parylene Sealed

PRODUCT FEATURES

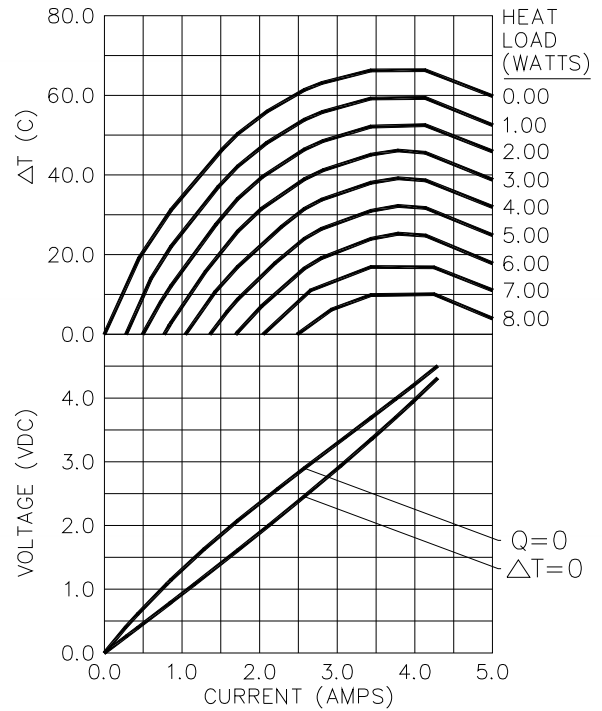
- Specifically designed for thermal cycling applications.
- Capable of rapid heating and cooling rates.
- Proven High Reliability (Data available upon request).
- Rugged construction.
- Porched configuration for enhanced leadwire strength.
- Leadwires attached with 218°C solder.
- Rated operating temperature of 125°C.
- Height tolerance of 0.03 mm allows 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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