

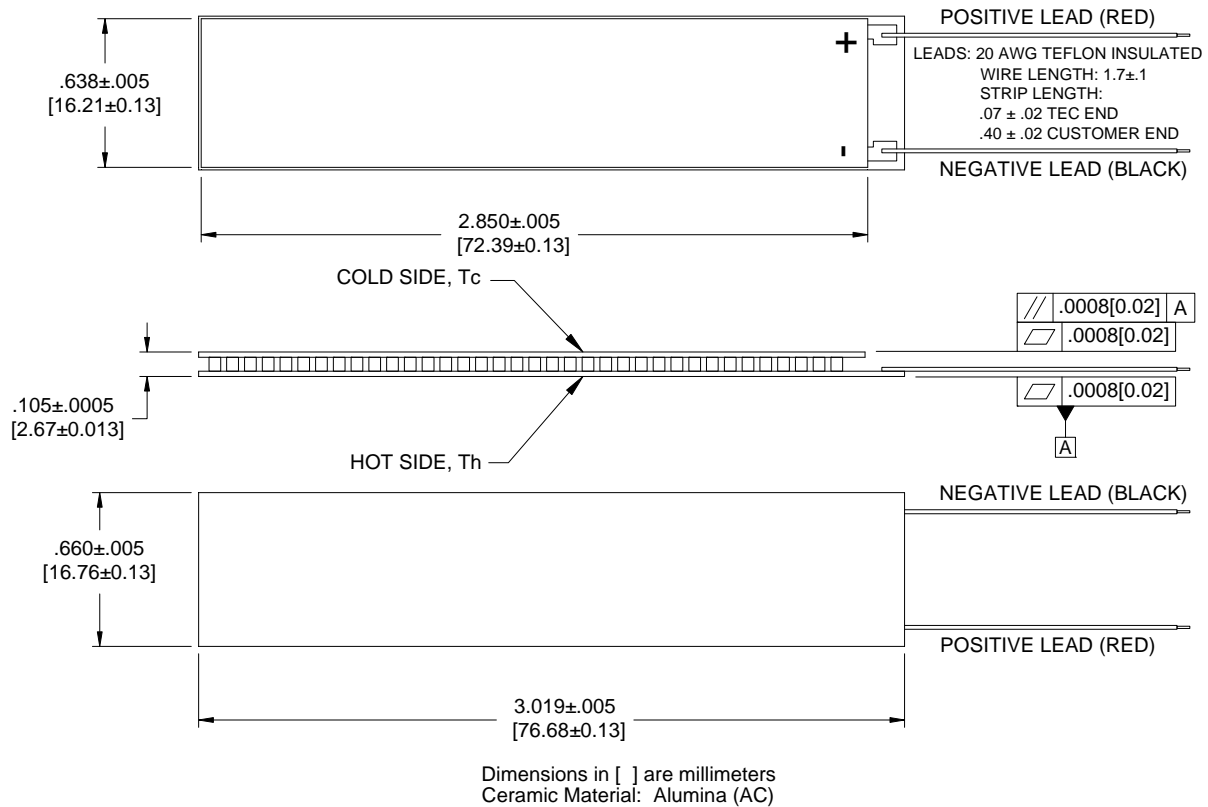
XLT2427

Single-Stage Thermoelectric Cooler
RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	53.0	62.0
Qmax (watts):	76.5	86.0
I _{max} (amps):	7.5	7.5
V _{max} (vdc):	15.8	17.5
AC Resistance (ohms):	1.66	---

MECHANICAL CHARACTERISTICS



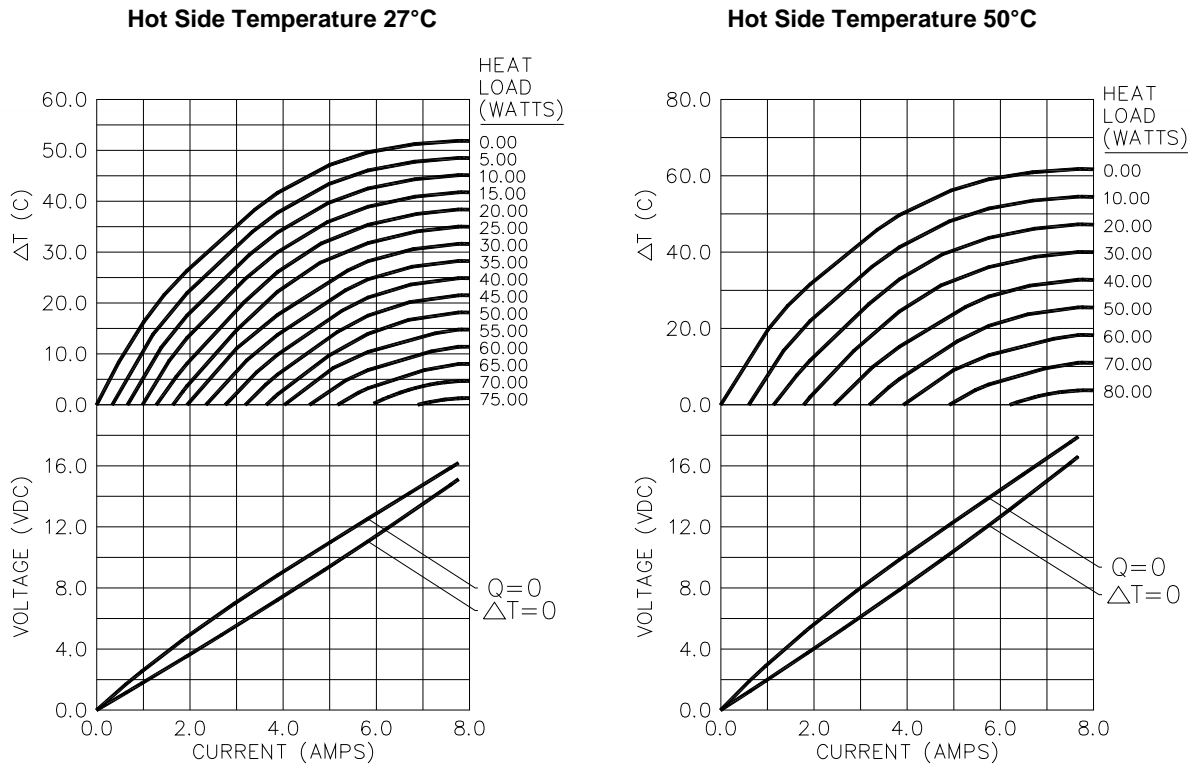
ORDERING OPTIONS

Model Number	Description
XLT2427-00AC	Un-lapped, without Leadwires
XLT2427-03AC	Lapped, with Leadwires
XLT2427-04AC	Lapped, without Leadwires
XLT2427-36AC	Lapped, ACR Matched set of 6 TEC's

AVAILABLE MODIFICATIONS

- 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.
- Lapped option available for multiple module applications.
- Set of modules ACR matched available.

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN



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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