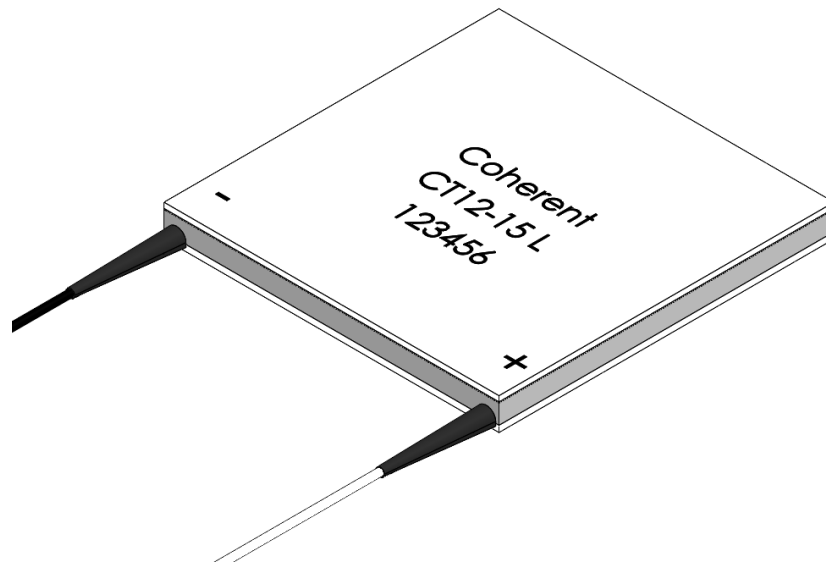


# TECHNICAL DATA SHEET FOR CT12-15

## Single-Stage Thermoelectric Module



### FEATURES

- RoHS EU Compliant
- Rated operating temperature of 130°C
- Ceramic Material: Aluminum Oxide
- Designed for temperature cycling applications
- Capable of rapid heating and cooling rates
- RTV sealing option available
- Lapped for multiple module applications

# TECHNICAL DATA SHEET FOR CT12-15

## Nominal Performance in Nitrogen

Hot Side Temperature, Isothermal (°C)	27	50
$\Delta T_{max}$ (°C)	72	82
Qmax (watts)	132	143
I <sub>max</sub> (amps)	16.2	15.9
V <sub>max</sub> (vdc)	16.5	18.3
AC Resistance (ohms)	0.9	--

## Ordering Options

Model Number	Description
CT12-15-01L	Leadwires, Lapped
CT12-15-01LS	Leadwires, Lapped, Sealed

## Operation Cautions

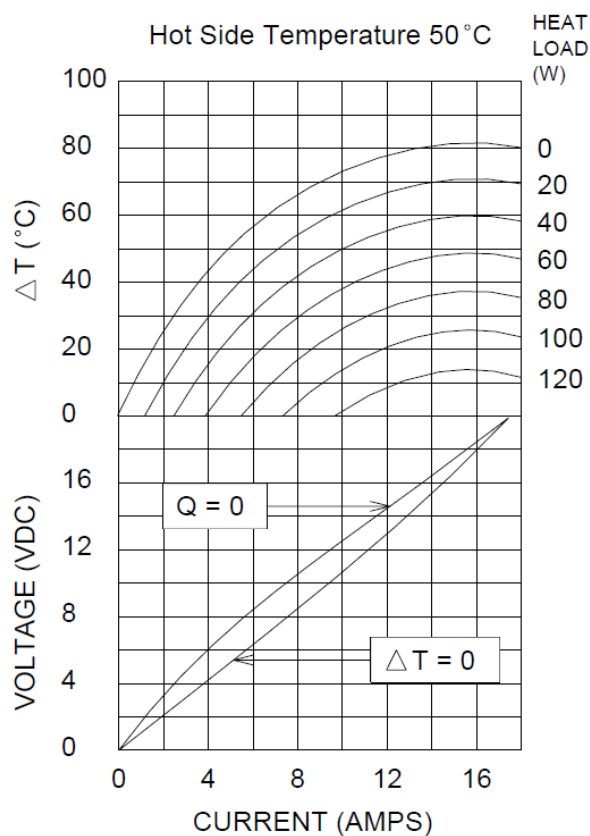
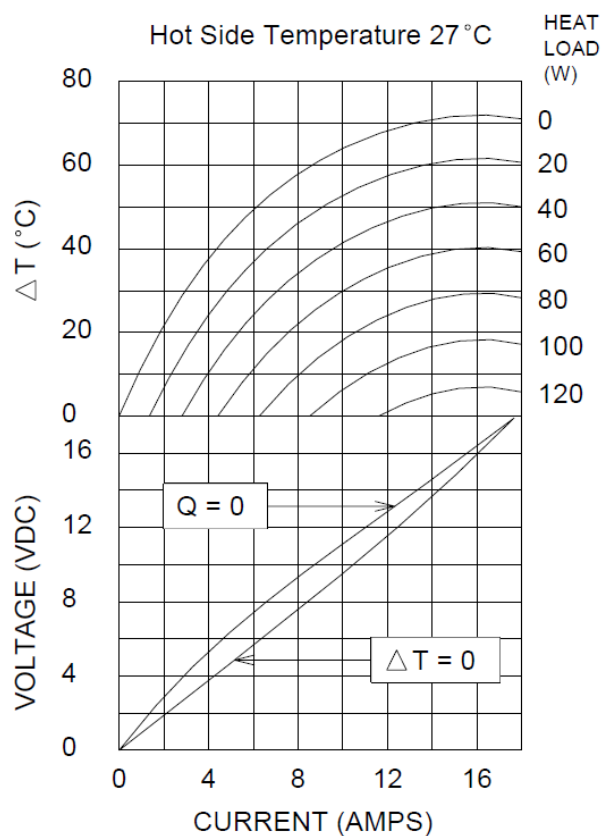
For maximum reliability, storage and operation below 130°C in a non-condensing environment is recommended. To minimize thermal stress, use linear/proportional temperature control or a similar method rather than an ON/OFF method.

## Installation

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

## Typical Performance Curves

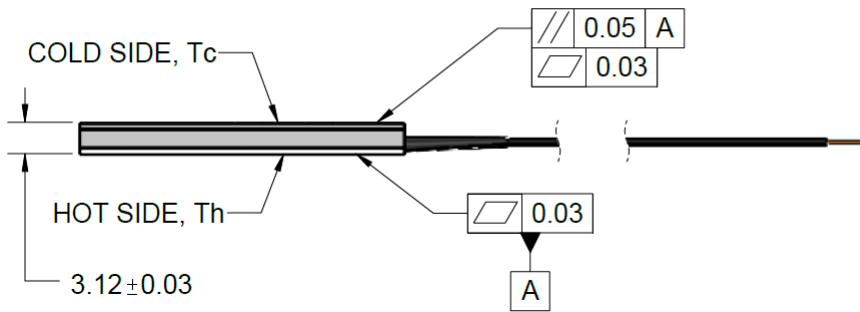
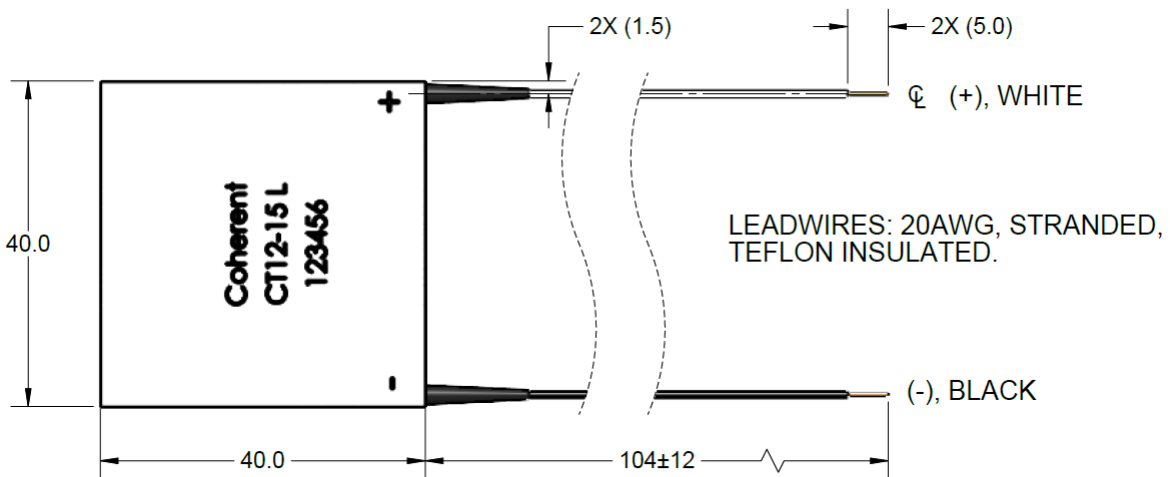
Environment: One Atmosphere Dry Nitrogen



For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, please contact us.

# TECHNICAL DATA SHEET FOR CT12-15

## Mechanical Characteristics



All units are in millimeters unless otherwise stated.