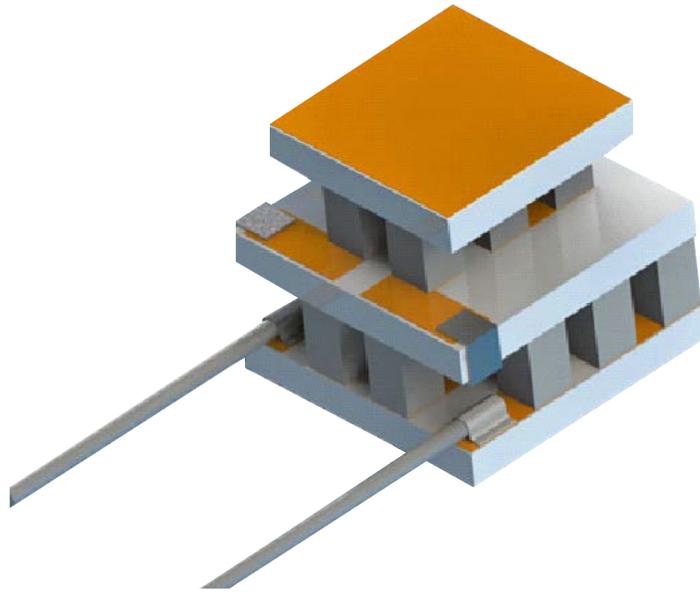


Thermoelectric Coolers (TEC)

# MULTI-STAGE THERMOELECTRIC COOLER NL2022T

## Multi-Stage Thermoelectric Module



### FEATURES

- RoHS EU Compliant
- Pretinned metallized ceramic surface(s) with 117°C solder
- Thermistor mounted on edge of cold side ceramic (Calibration available)
- Elevated temperature burn-in with test data provided

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## Nominal Performance in Nitrogen

Hot Side Temperature (°C)	27	50
$\Delta T_{max}$ (°C)	78	89
Qmax (watts)	0.39	0.44
I <sub>max</sub> (amps)	1.4	1.4
V <sub>max</sub> (vdc)	0.8	1.0
AC Resistance (ohms)	0.56	--

## Ordering Options

Model Number	Description
NL2022T-01	Both Surfaces are Metallized
NL2022T-02	Hot Side Exterior is Metallized
NL2022T-03	No Metallization

## Typical Performance Curves

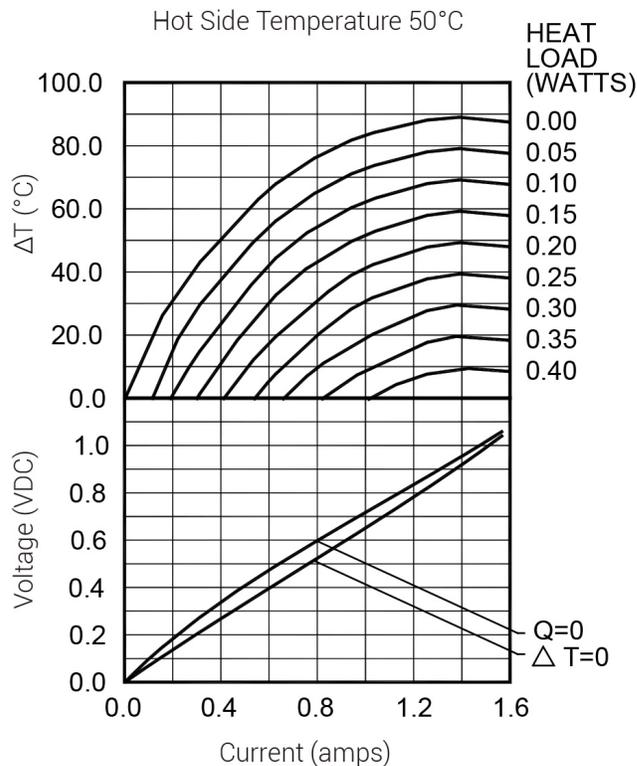
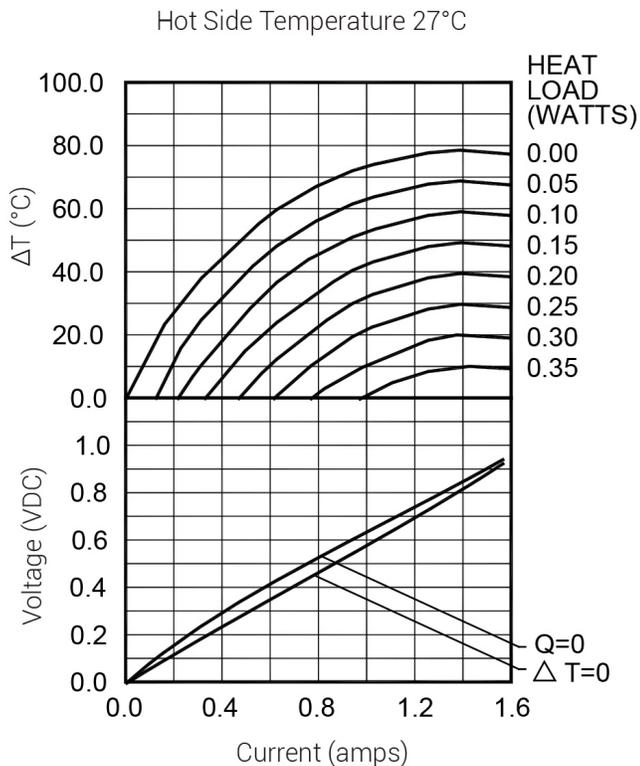
Environment: One atmosphere dry nitrogen

## Operation Cautions

For maximum reliability, storage and operation below 85°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

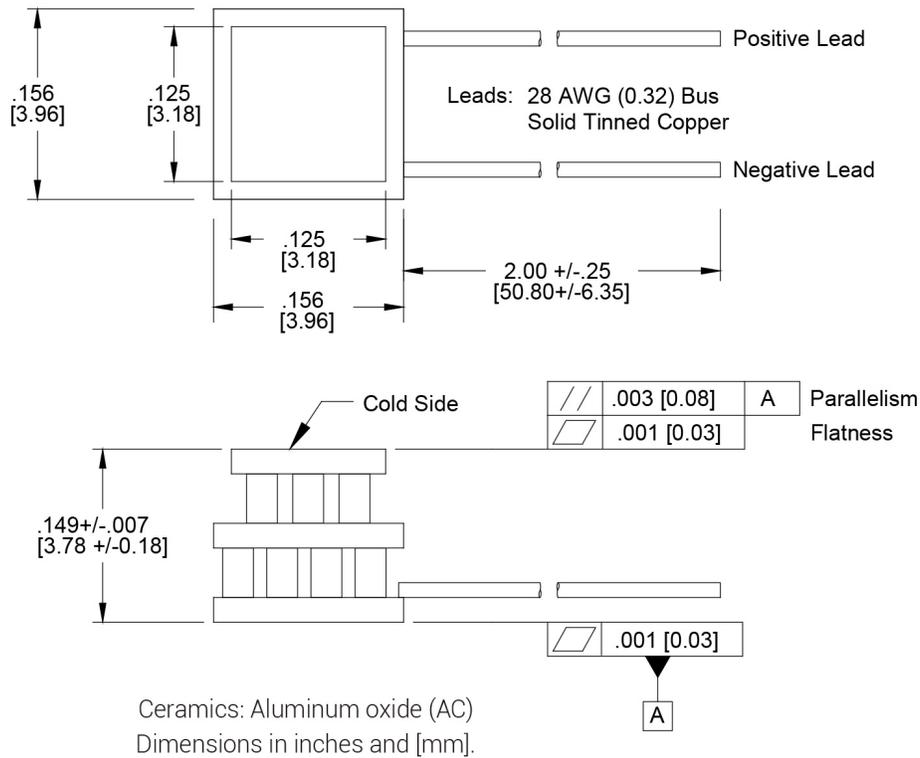
Recommended mounting methods: Bonding with thermal epoxy or soldering with metallized ceramics. For additional information, please refer to our TEM Installation Guide.



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

# MULTI-STAGE THERMOELECTRIC COOLER NL2022T

## Mechanical Characteristics



All units are in inches and [ ] are in millimeters unless otherwise stated.