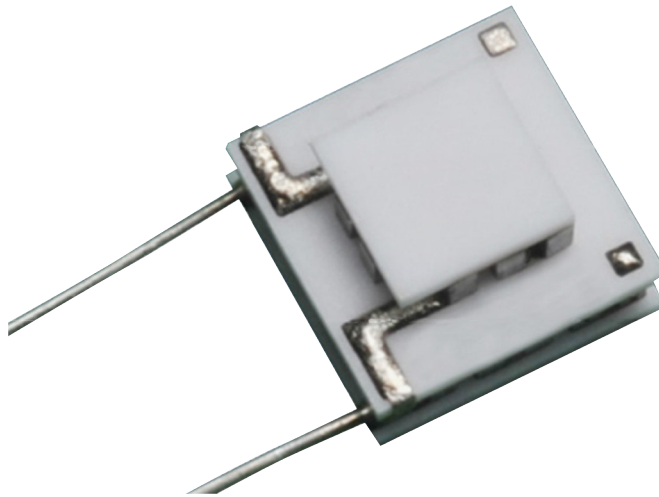


Thermoelectric Coolers (TEC)

MULTI-STAGE THERMOELECTRIC COOLER NL2011T

Multi-Stage Thermoelectric Module



FEATURES

- RoHS EU Compliant
- Rated operating temperature of 85°C
- Maximum processing temperature of 120°C
- Ceramic Material: Aluminum Oxide

MULTI-STAGE THERMOELECTRIC COOLER NL2011T

Nominal Performance in Nitrogen

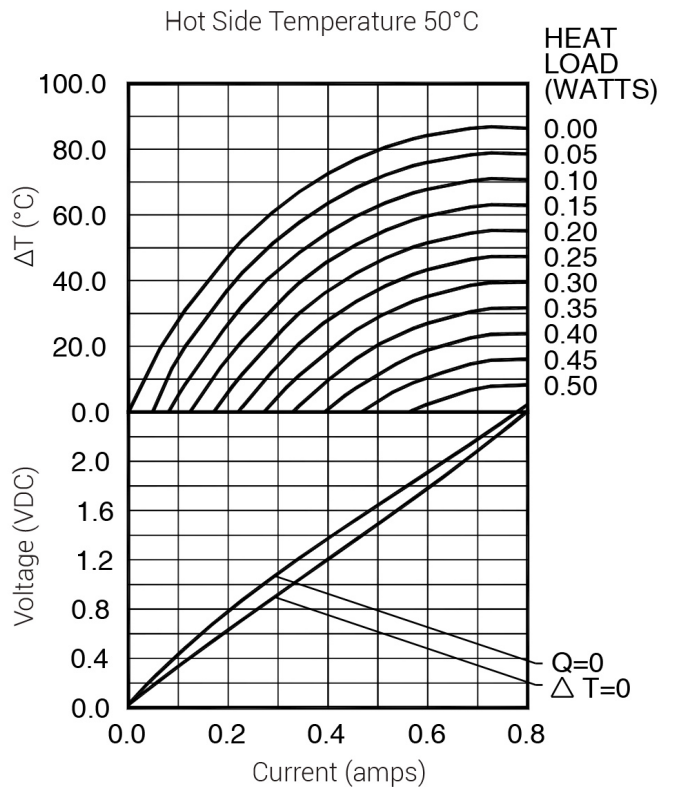
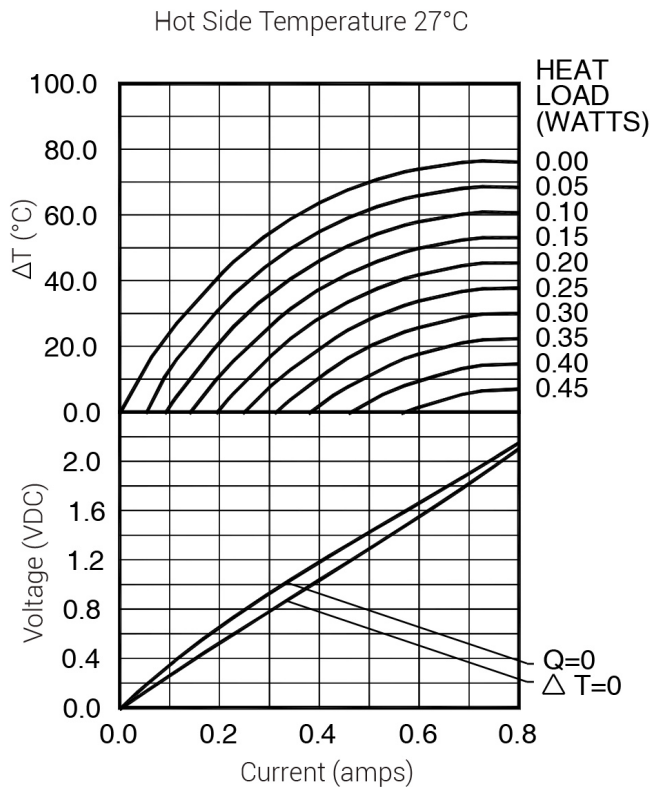
Hot Side Temperature (°C)	27	50
ΔT_{max} (°C)	76	87
Qmax (watts)	0.47	0.53
I _{max} (amps)	0.7	0.7
V _{max} (vdc)	1.9	2.2
AC Resistance (ohms)	2.52	--

Ordering Options

Model Number	Description
NL2011T-01AC	Both Surfaces are Metallized
NL2011T-02AC	Hot Side Exterior is Metallized
NL2011T-03AC	No Metallization

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.

Operation Cautions

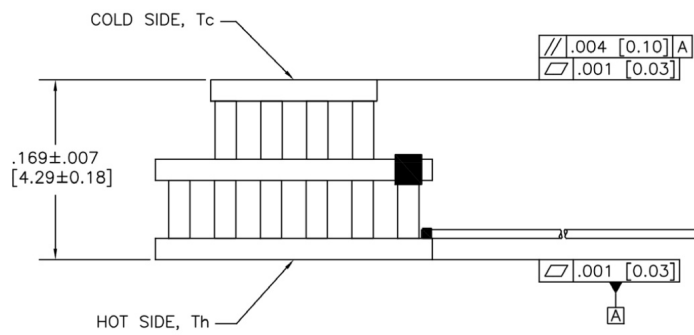
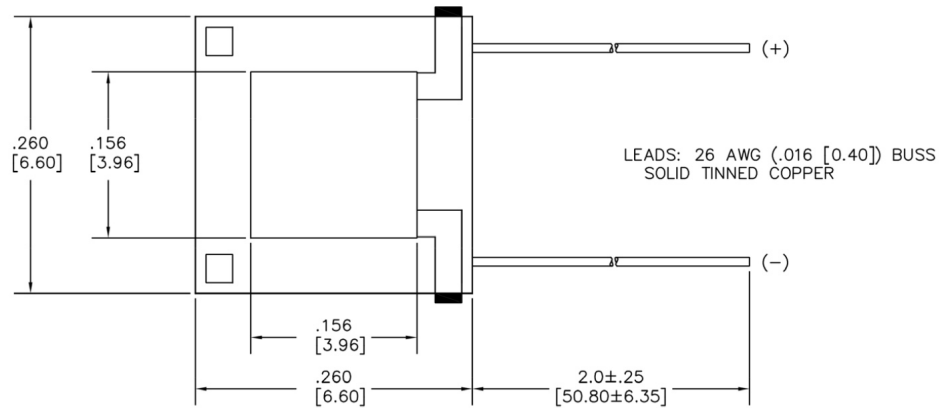
For maximum reliability, storage and operation below 85°C in a non-condensing environment is recommended. To minimize thermal stress, use linear/proportional temperature control or a similar method rather than an ON/OFF method.

Installation

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

MULTI-STAGE THERMOELECTRIC COOLER NL2011T

Mechanical Characteristics



MILLIMETERS ARE IN []

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