

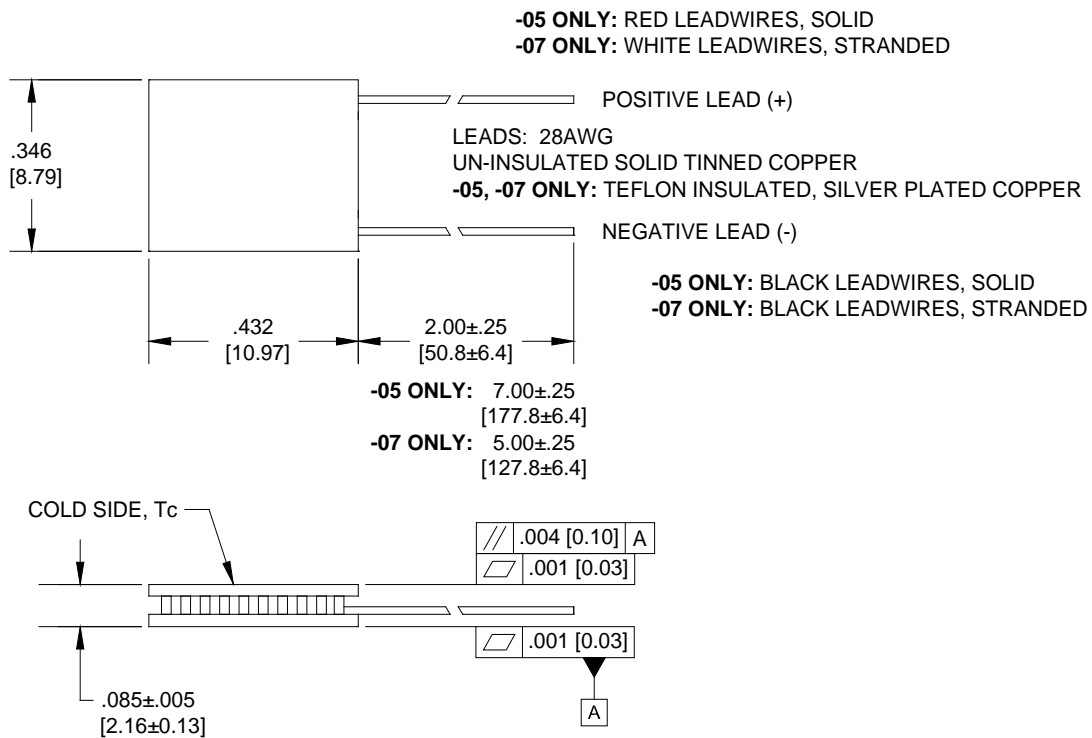
NL1025T

Single-Stage Thermoelectric Cooler
RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	64	73
Qmax (watts):	5.2	5.8
I _{max} (amps):	1.8	1.8
V _{max} (vdc):	4.4	4.9
AC Resistance (ohms):	2.1	--

MECHANICAL CHARACTERISTICS



CERAMIC MATERIAL: ALUMINA (AC)
MILLIMETERS ARE IN []

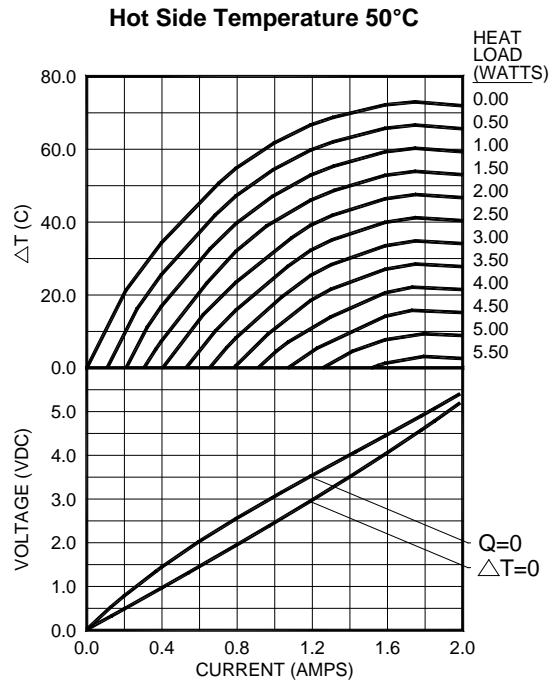
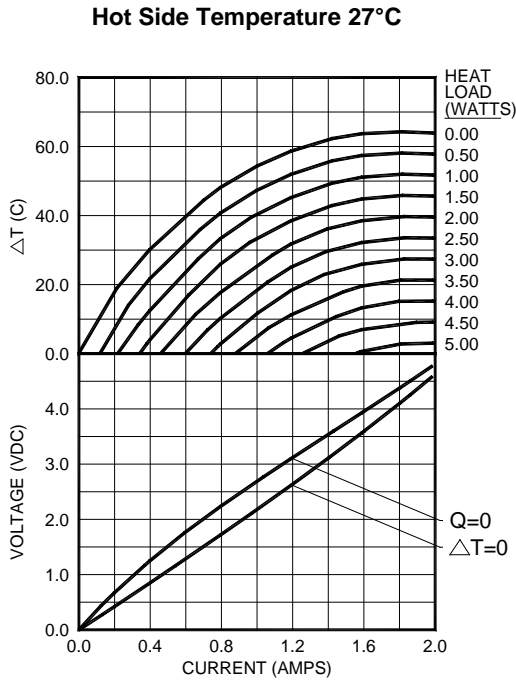
ORDERING OPTIONS

Model Number	Description
NL1025T-01AC	Both Surfaces are Metallized
NL1025T-02AC	Hot Side Exterior is Metallized
NL1025T-03AC	No Metallization
NL1025T-05AC	No Metallization, Insulated 7 Inch Leadwire
NL1025T-06AC	No Metallization, RTV Sealed
NL1025T-07AC	No Metallization, Insulated 5 Inch Leadwire

PRODUCT FEATURES

- 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.

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

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.

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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