

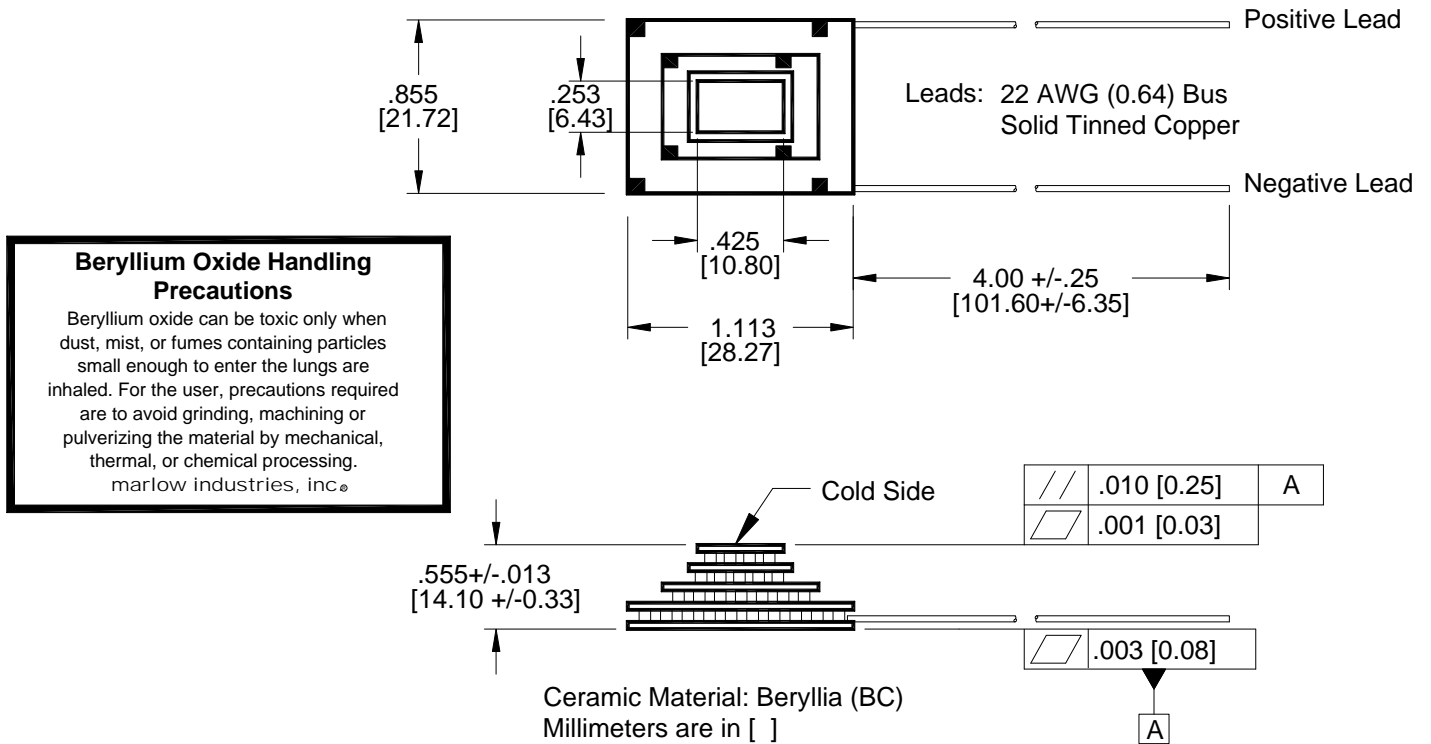
NL4040

Thermoelectric Cooler
RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N ₂):	120	136
Qmax (watts):	2.7	3.0
I _{max} (amps):	4.0	4.0
V _{max} (vdc):	6.8	7.7
AC Resistance (ohms):	1.62	--

MECHANICAL CHARACTERISTICS



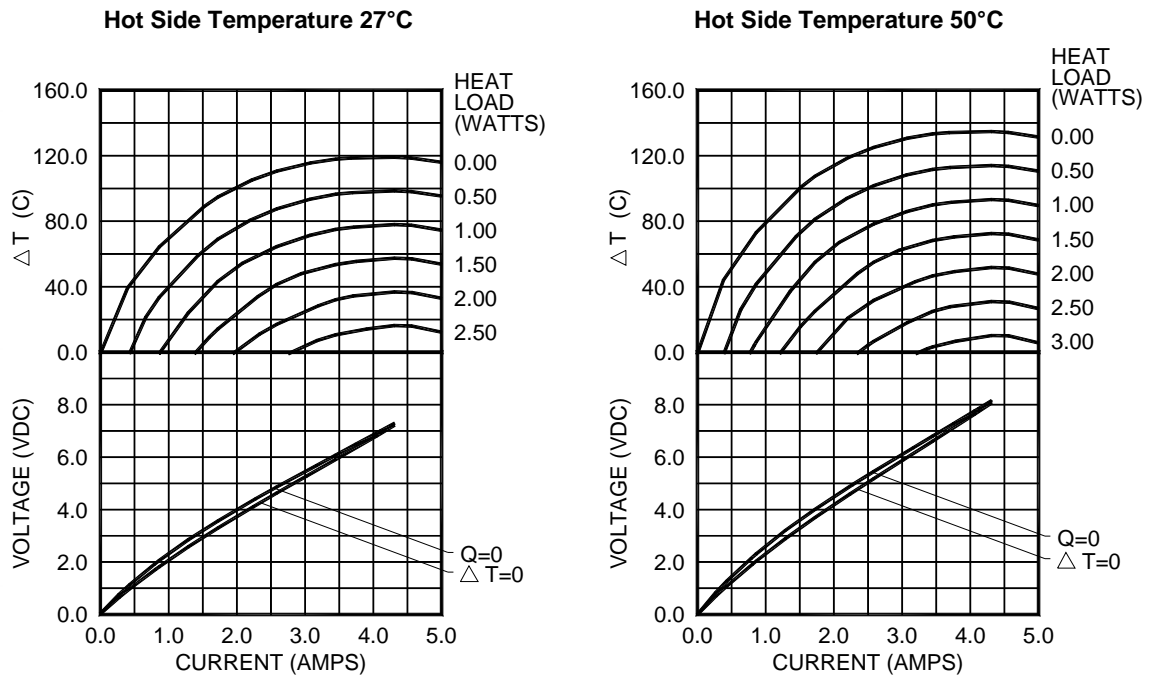
ORDERING OPTIONS

Model Options	Metallization	Elevated Temperature Burn-In with test data
NL4040-01BC-36	Both	Yes
NL4040-02BC-36	Base	Yes
NL4040-03BC	None	No
NL4040-04BC	Both	No
NL4040-05BC	Base	No

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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