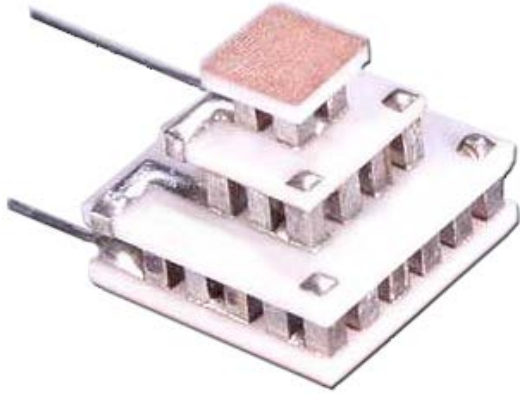




Technical Data Sheet for NL3021T-AC/-BC

Thermoelectric Module



NOMINAL PERFORMANCE IN NITROGEN

Hot Side Temperature (°C)	27	50
ΔT_{max} (°C):	96	109
Q _{max} (watts):	0.33	0.38
I _{max} (amps):	1.3	1.3
V _{max} (vdc):	1.9	2.2
AC Resistance (ohms):	1.42	--

PRODUCT 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.

ORDERING OPTIONS

Model Number	Description
NL3021T-01	Both Surfaces are Metallized
NL3021T-02	Hot Side Exterior is Metallized
NL3021T-03	No Exterior Metallization
NL3021T-04	Both Surfaces are Metallized with Pretinned Hot Side

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.

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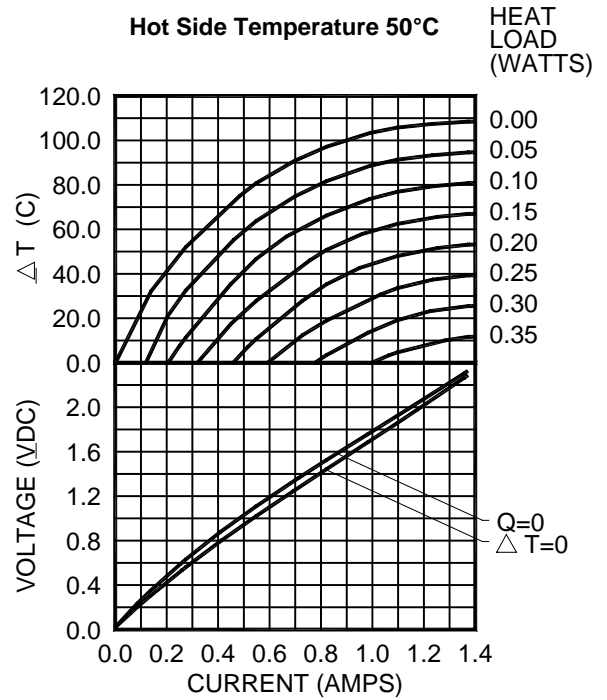
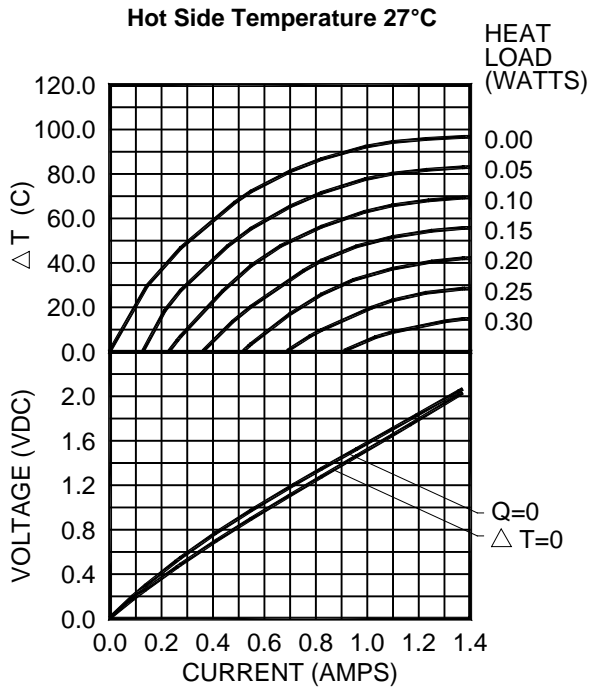
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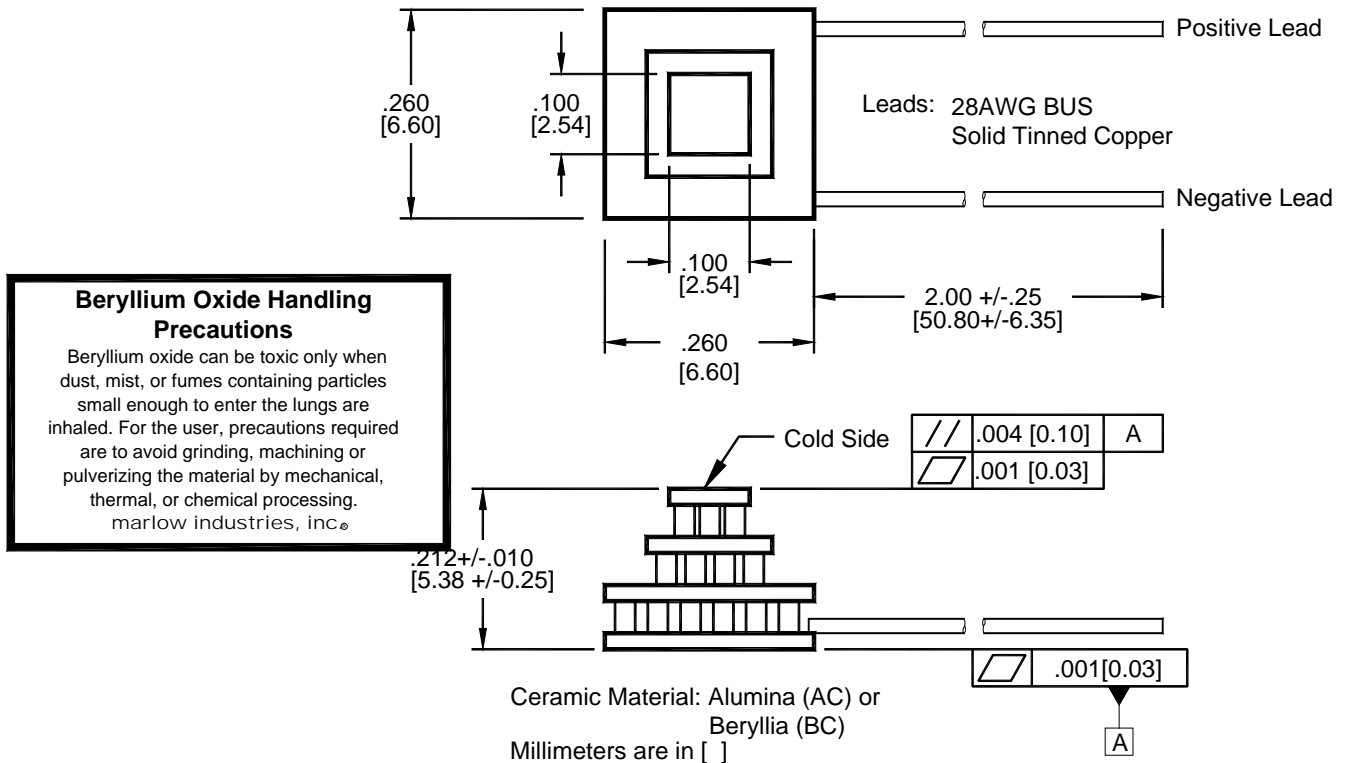
TYPICAL PERFORMANCE CURVES

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN



For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, contact one of our Applications Engineers at 877-627-5691.

MECHANICAL CHARACTERISTICS



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

For customer support or general questions please contact a local office or visit our website at www.marlow.com. Marlow reserves the right to make product changes without notice.