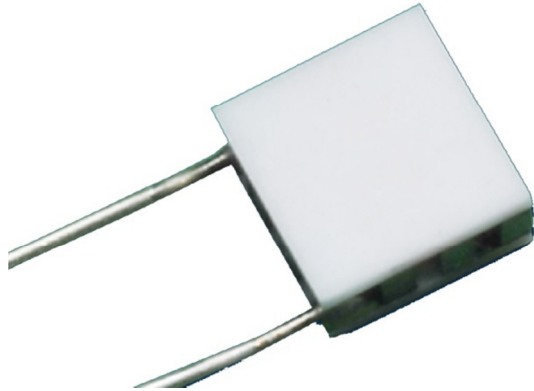




Technical Data Sheet for NL1011T

Single-Stage Thermoelectric Module



NOMINAL PERFORMANCE IN NITROGEN

Hot Side Temperature (°C)	27	50
ΔT_{max} (°C):	61	69
Qmax (watts):	1.0	1.3
I _{max} (amps):	1.0	1.0
V _{max} (vdc):	2.0	2.3
AC Resistance (ohms):	1.80	--

PRODUCT FEATURES

- RoHS EU Compliant
- Rated operating temperature of 85°C
- Maximum process temperature of 120°C
- Ceramic Material: Aluminum Oxide (AC)
- -01AC, -02AC: Exterior metallization is Au flash, suitable for soldering.

ORDERING OPTIONS

Model Number	Description
NL1011T-01AC	Both Surfaces are Metallized
NL1011T-02AC	Hot Side Exterior is Metallized
NL1011T-03AC	No Metallization

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 TEC Installation Guide.

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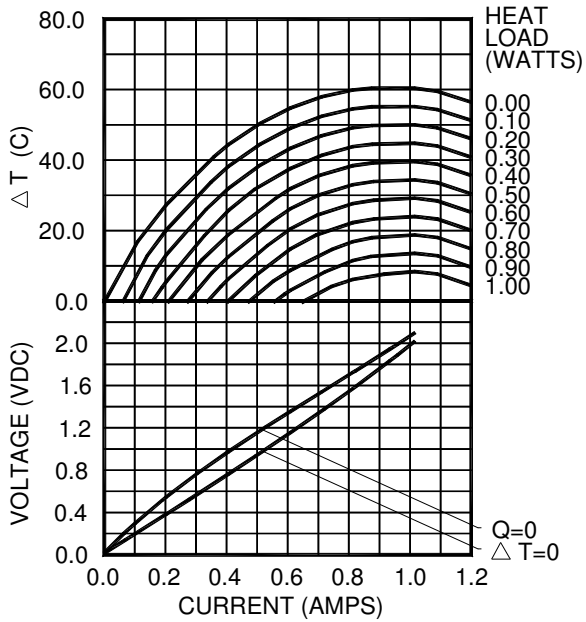
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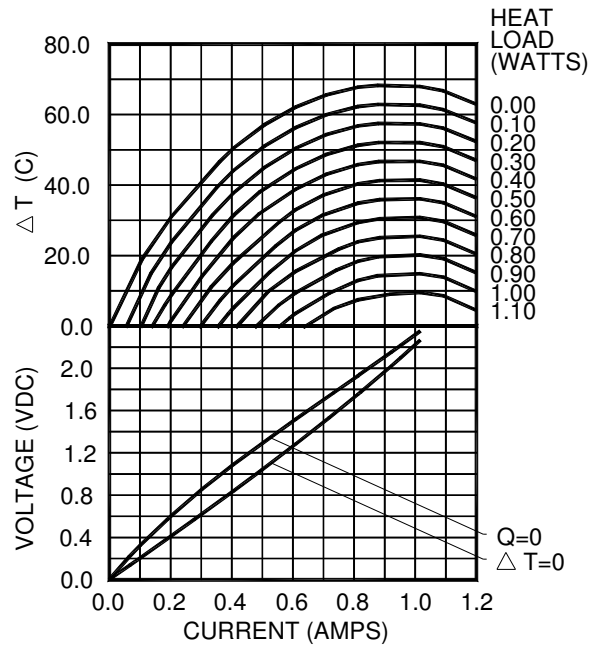


TYPICAL PERFORMANCE CURVES

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN
Hot Side Temperature 27°C

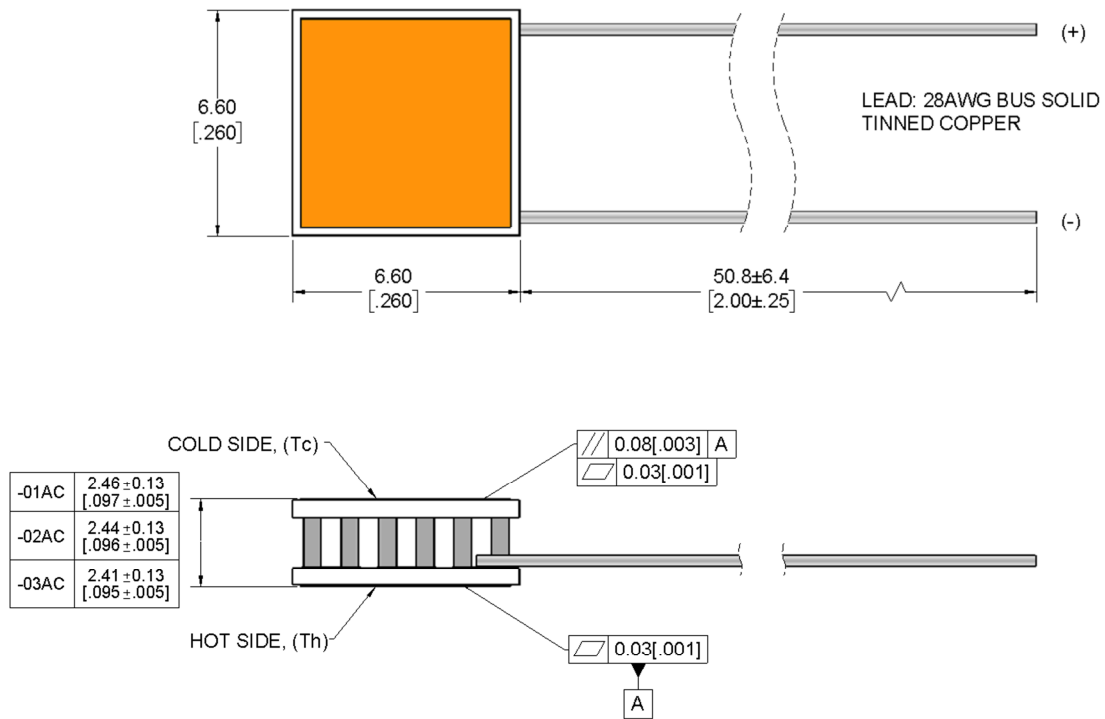


Hot Side Temperature 50°C



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 millimeters, inches are in [].

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.