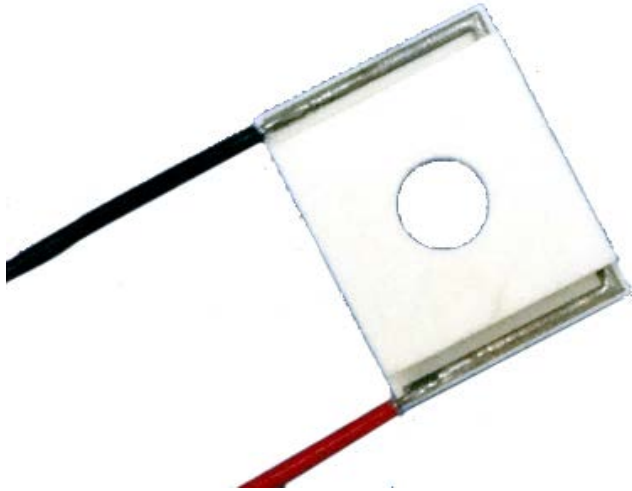




Technical Data Sheet for NL1507

Single-Stage Thermoelectric Module



NOMINAL PERFORMANCE IN NITROGEN

Hot Side Temperature (°C)	27	50
ΔT_{max} (°C):	64	72
Q _{max} (watts):	5.4	6.2
I _{max} (amps):	1.8	1.8
V _{max} (vdc):	4.7	5.4
AC Resistance (ohms):	2.30	--

PRODUCT FEATURES

- RoHS EU Compliant
- Pretinned metallized ceramic surface(s) with 96°C or 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
NL1507-03AC	4mm Thru Hole
NL1507-04AC	4mm Thru Hole, Inspected for Alignment

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

[Use this statement for TEM <19mm length:]
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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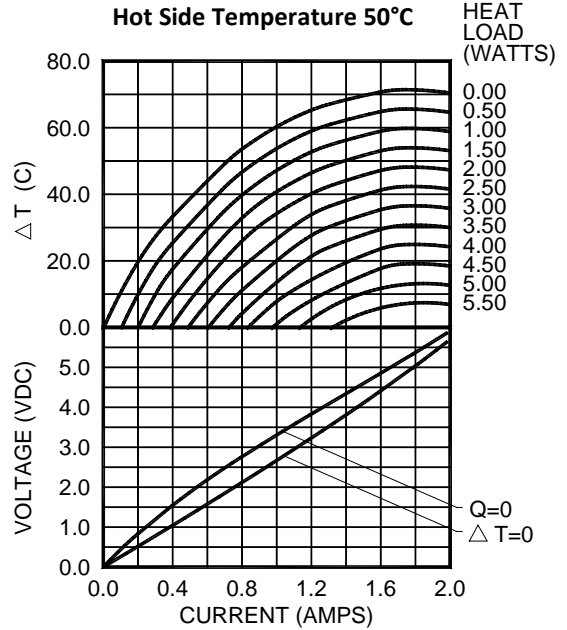
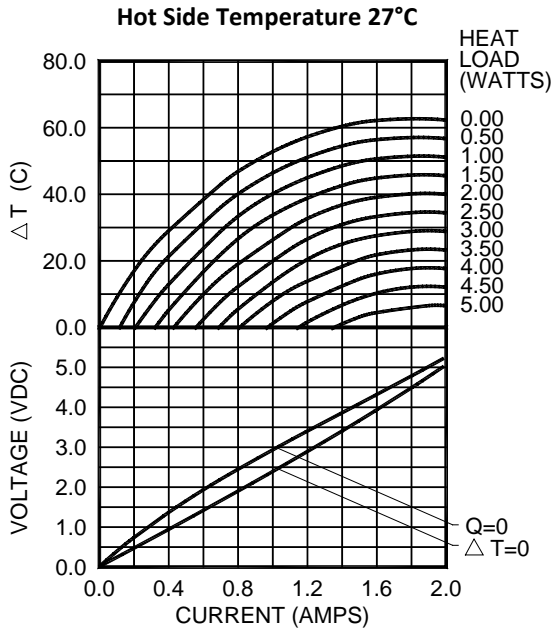
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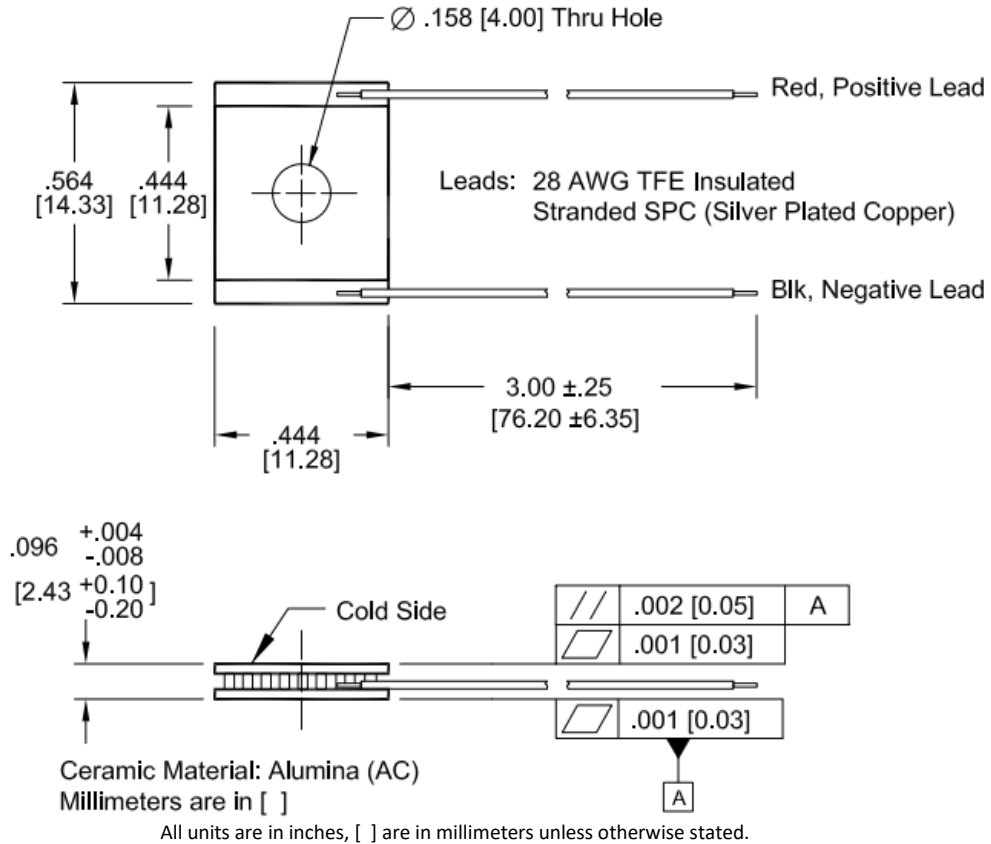
TYPICAL PERFORMANCE CURVES

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



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.