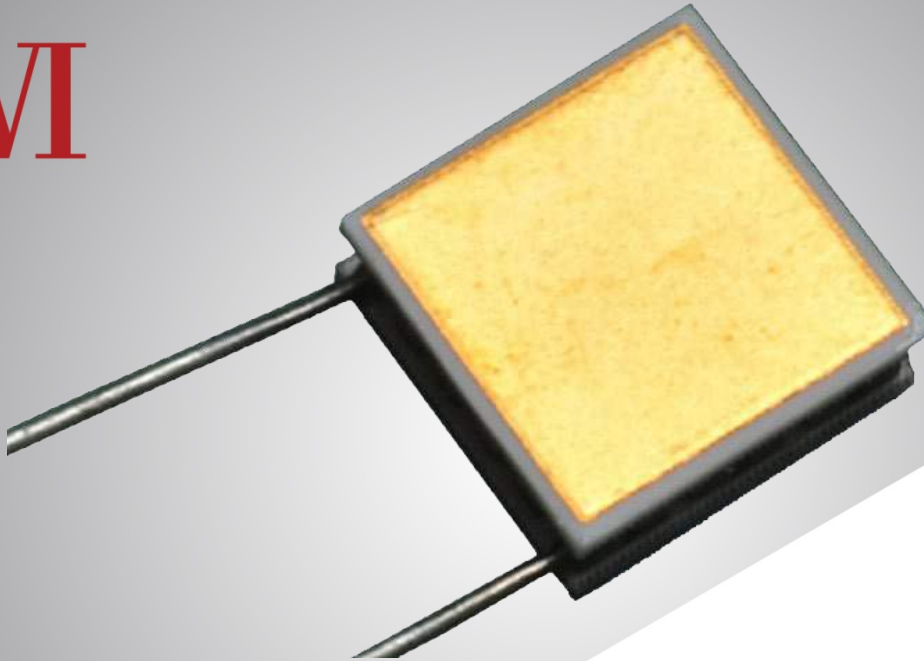


II-VI



Technical Data Sheet

For NL1013T

Single-Stage Thermoelectric Module

PRODUCT FEATURES

- RoHS EU Compliant
- Rated operating temperature of 85°C.
- Maximum processing temperature of 120°C.
- Ceramic Material: Aluminum Oxide.
- Metallized Exterior Surfaces are Au flash, suitable for soldering.

NOMINAL PERFORMANCE IN VACUUM

Hot Side Temperature (°C)	27	50
Δ Tmax (°C):	61	69
Qmax (watts):	4.8	5.4
I _{max} (amps):	1.0	1.0
V _{max} (vdc):	8.5	9.6
AC Resistance (ohms):	0.77	--

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.

ORDERING OPTIONS

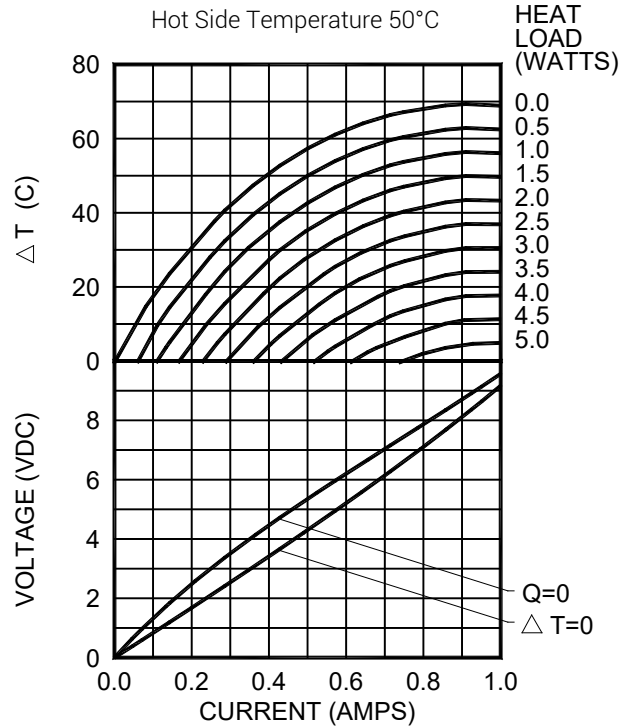
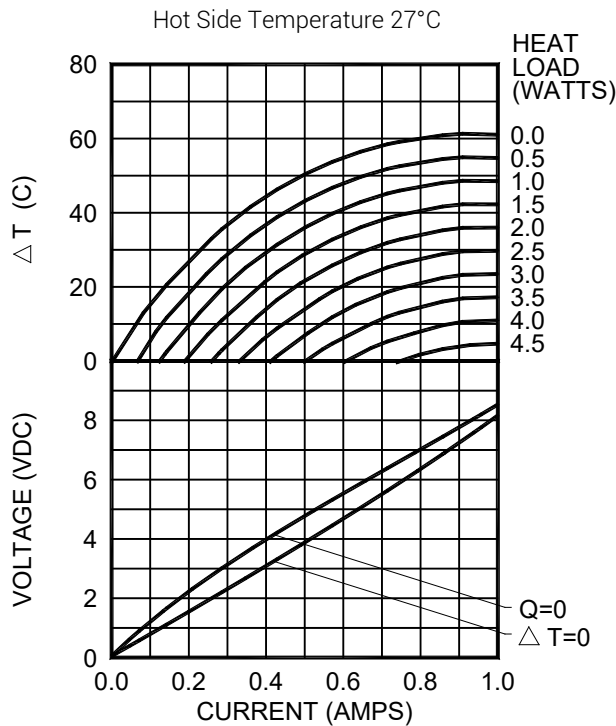
Model Number	Description
NL1013T-01AC	Top and Base Metallized Exterior

INSTALLATION

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

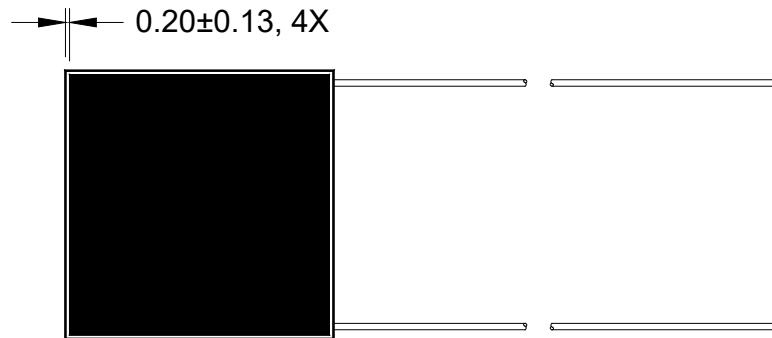
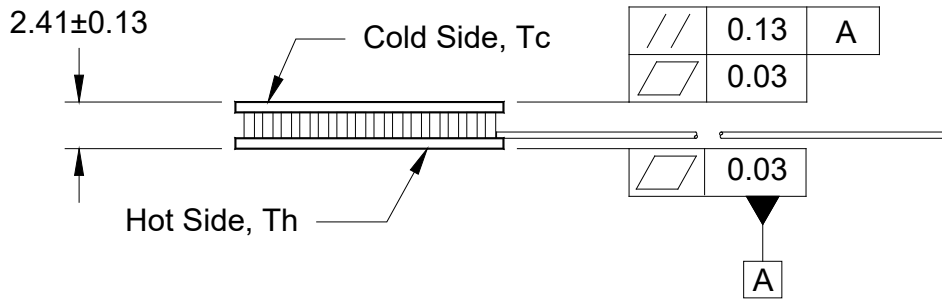
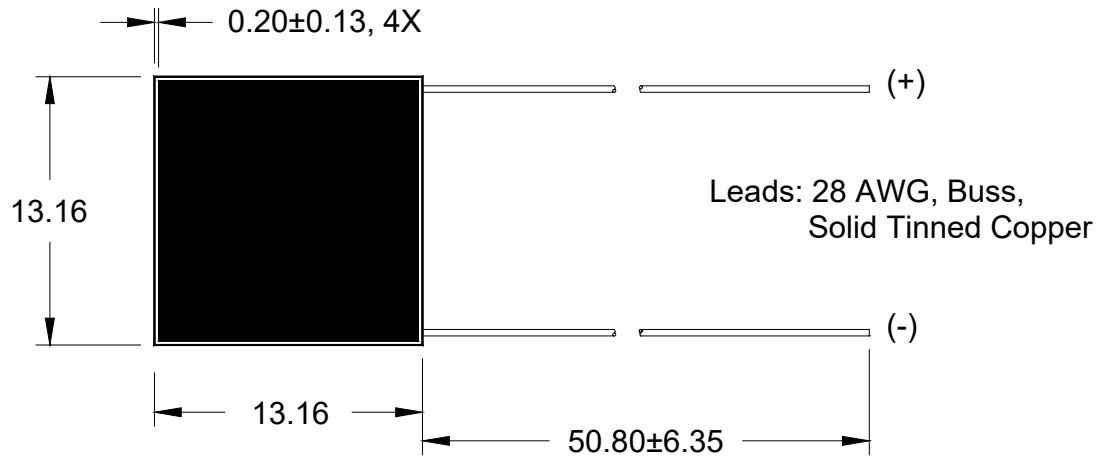
TYPICAL PERFORMANCE CURVES

ENVIRONMENT: 10⁻⁵ TORR VACUUM



For performance information in a vacuum or with hot side temperatures other than 27°C or 75°C, contact one of our Applications Engineers at 877-627-5691.

MECHANICAL CHARACTERISTICS



All units 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.