

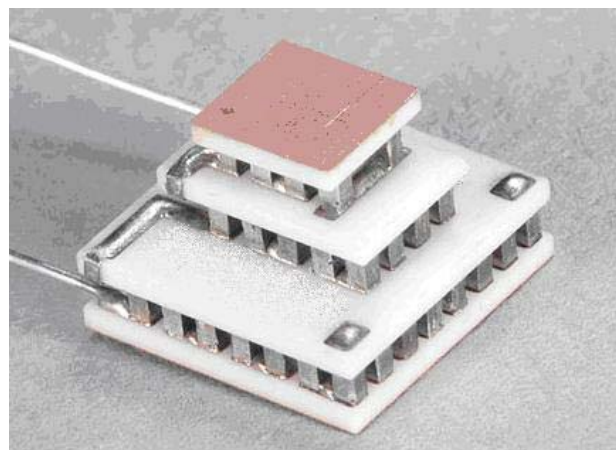


Thermoelectric Cooler

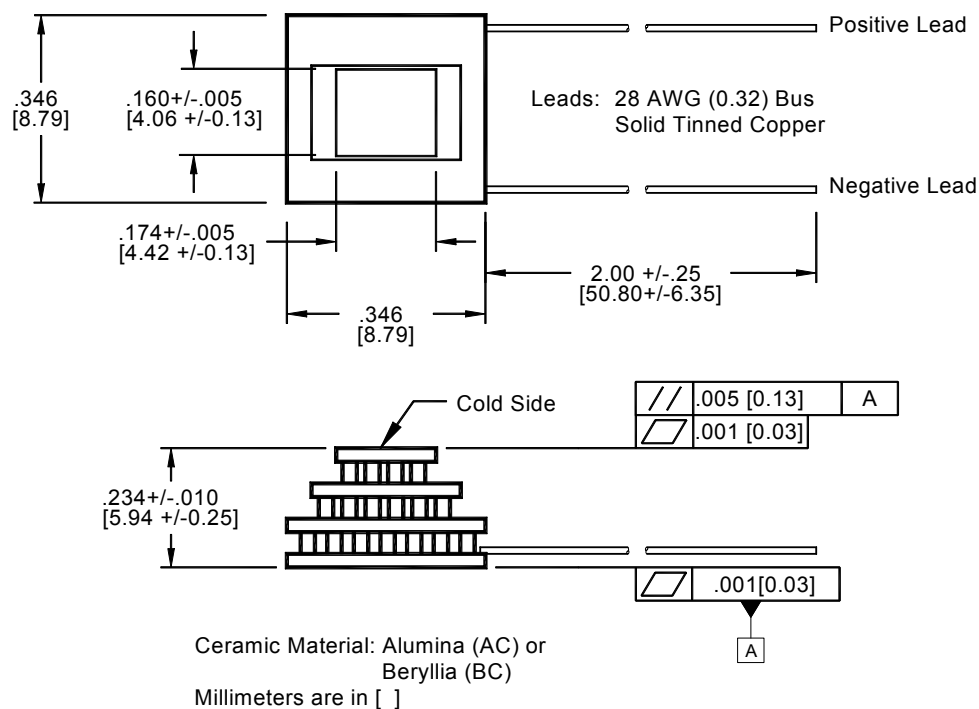
MI3026T

Performance Values

Hot Side Temperature (°C)	27°C	50°C
ΔT_{max} (°C-dry N ₂):	93	106
Q _{max} (watts):	0.62	0.71
I _{max} (amps):	1.3	1.3
V _{max} (vdc):	3.4	3.9
AC Resistance (ohms):	2.51	---



Mechanical Characteristics



Ordering Options

MI3026T-01	both surfaces are metallized and gold plated
MI3026T-02	hot side exterior is metallized and gold plated
MI3026T-03	no metallization

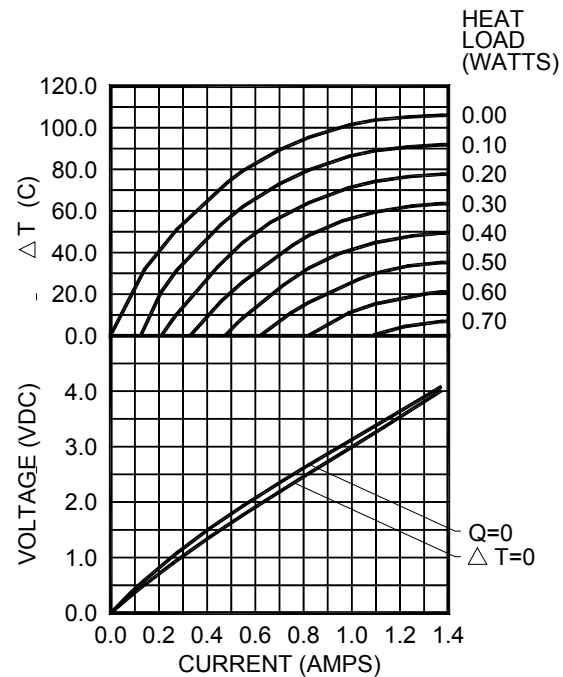
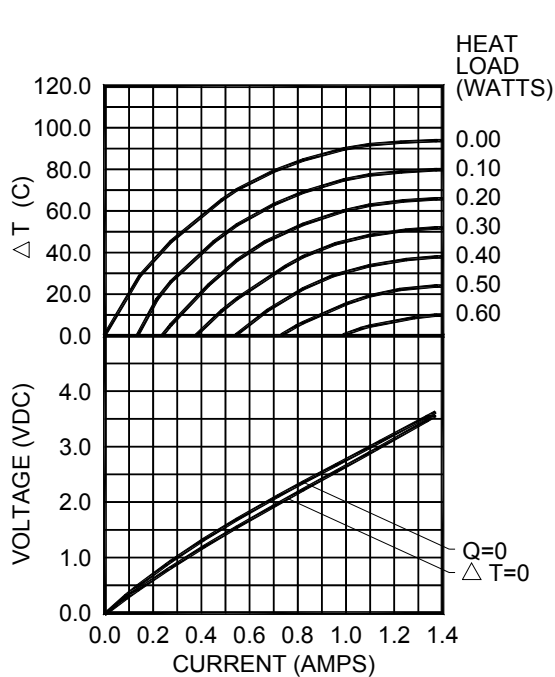
- For example, and MI3026T with only the hot side metallized is specified as an MI3026T-02AC
- Pretinned metallized ceramic surface(s) with 96°C or 117°C solder.
- Thermistor mounted on edge of cold side ceramic. (Calibration available.)
- Elevated temperature burn-in with test data provided.
- Gold plating thickness is 4 to 10 microinches.

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, consult one of our Applications Engineers.

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.

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