

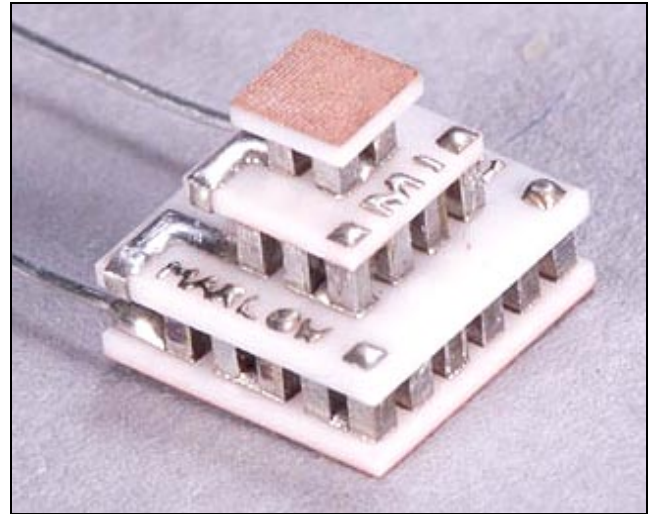


## Thermoelectric Cooler

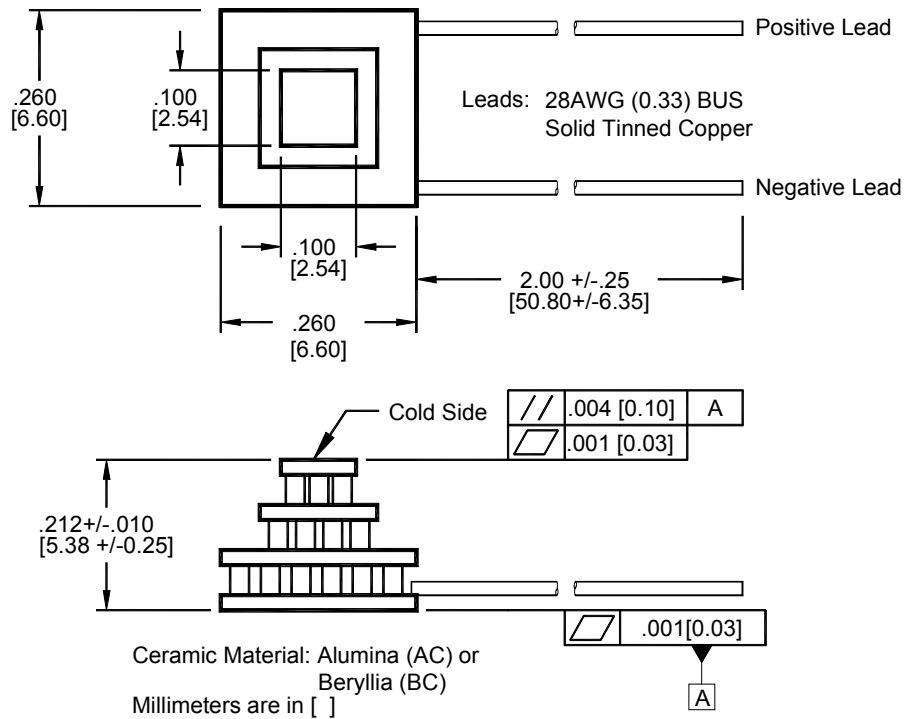
MI3021T

### Performance Values

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N <sub>2</sub> ):	96	109
Qmax (watts):	0.33	0.38
I <sub>max</sub> (amps):	1.3	1.3
V <sub>max</sub> (vdc):	1.9	2.2
AC Resistance (ohms):	1.42	---



### Mechanical Characteristics



### Ordering Options

MI3021T-01	both surfaces are metallized
MI3021T-02	hot side exterior is metallized
MI3021T-03	no metallization

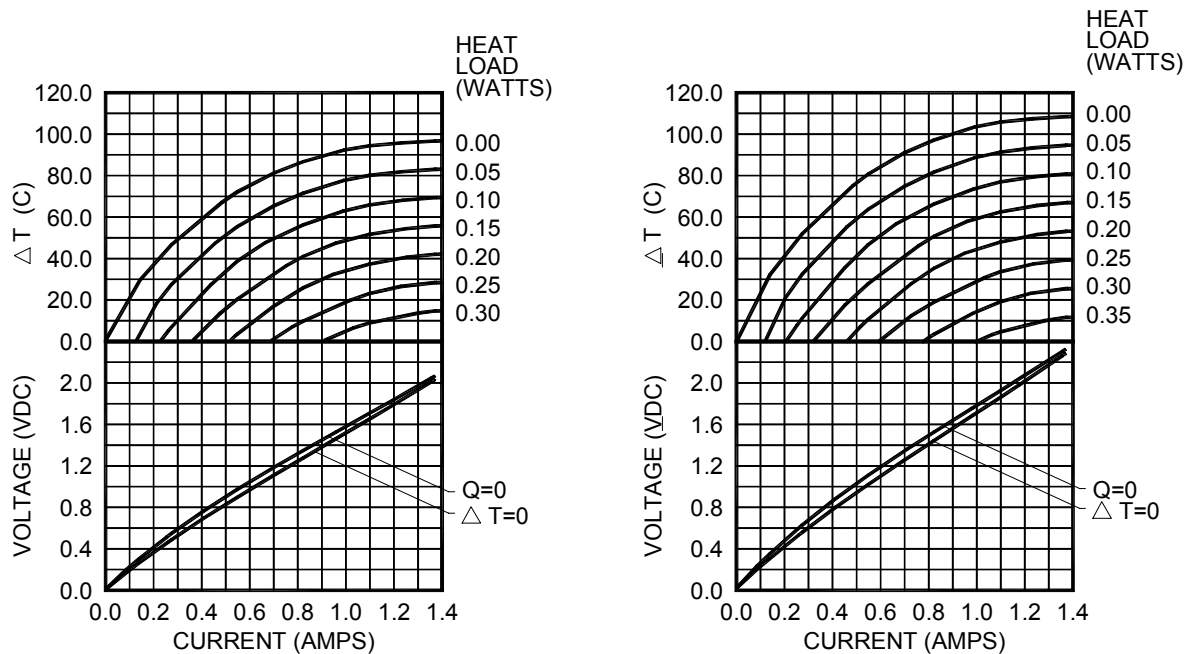
- For example, and MI3021T with only the hot side metallized is specified as an MI3021T-02AC
- Pretinned metallized ceramic surface(s) with 117°C solder.
- Thermistor mounted on edge of cold side ceramic. (Calibration available.)
- Elevated temperature burn-in with test data provided.

## 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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