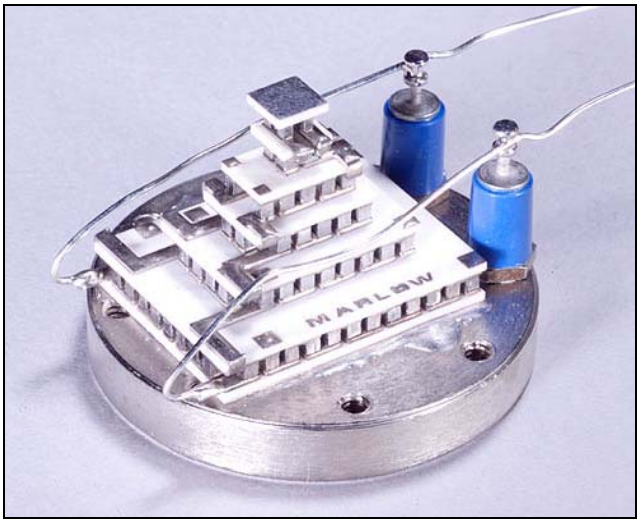
marlow industries inc.®

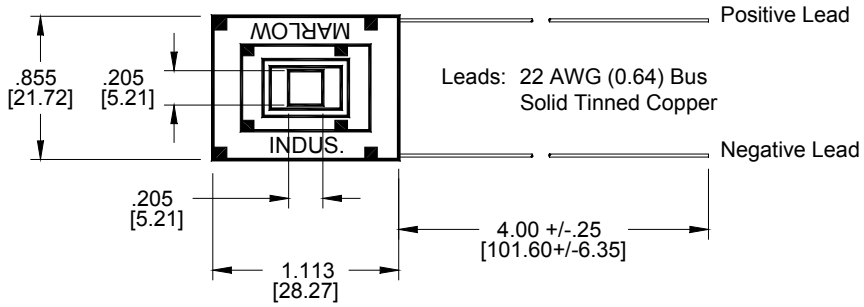
Thermoelectric Cooler MI6030

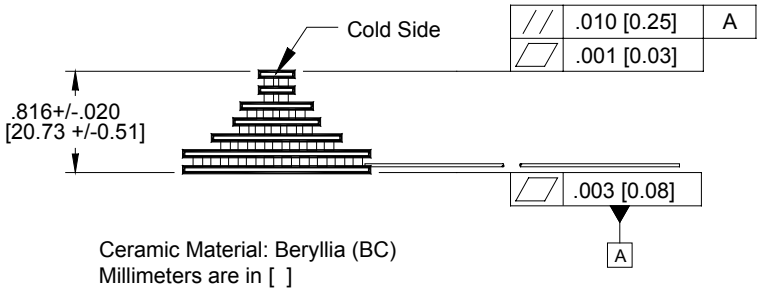
Performance Values

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (Vacuum):	133	150
Qmax (watts):	0.58	0.65
Imax (amps):	3.6	3.7
Vmax (vdc):	6.3	7.2
AC Resistance (ohms):	1.65	---



Mechanical Characteristics





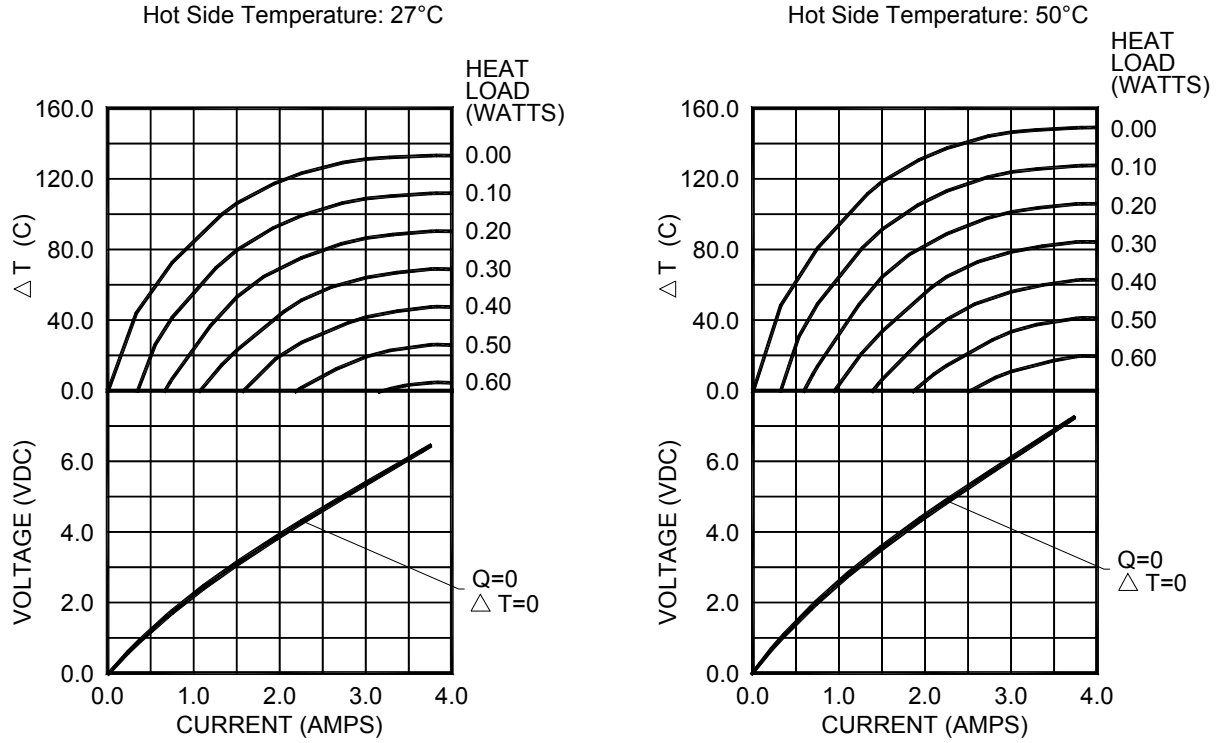
Ordering Options

MI6030-01	both surfaces are metallized – cooler is mounted and shipped on test base
MI6030-02	hot side exterior is metallized – cooler is mounted and shipped on test base
MI6030-03	no exterior metallization

- For example, and MI6030 with only the hot side metallized is specified as an MI6030-02BC
- 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: Vacuum



For performance information 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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