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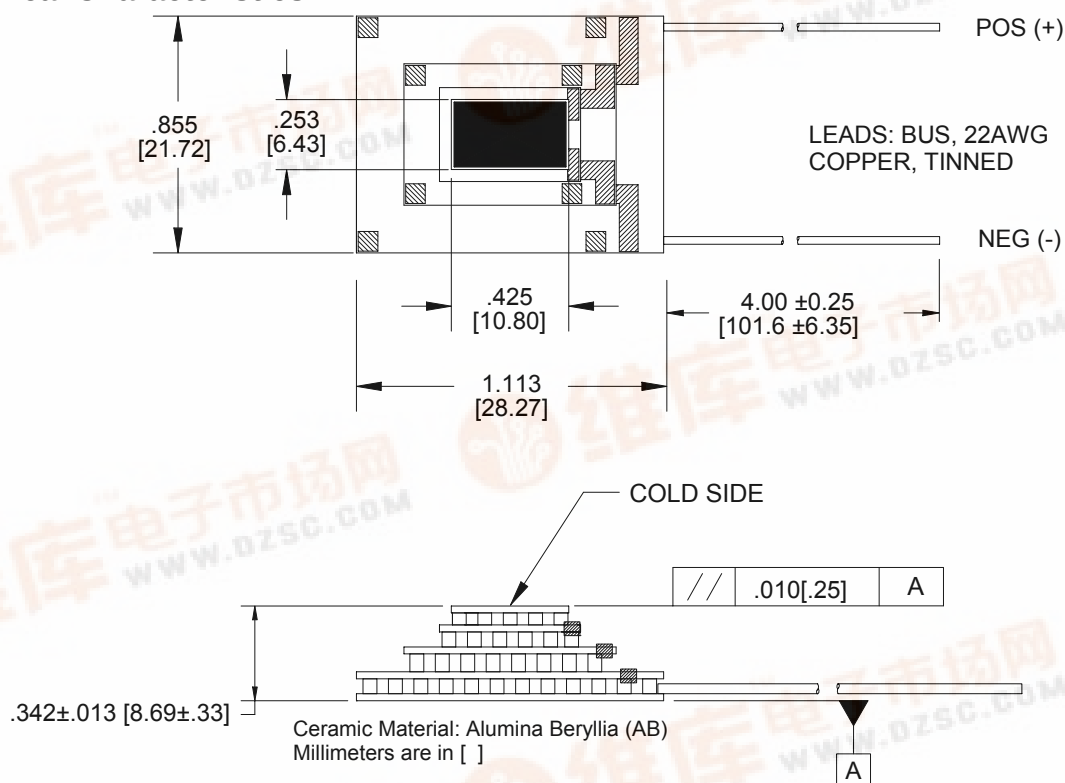
a global leader in thermoelectric solutions

Thermoelectric Cooler SP2394

Performance Values

Hot Side Temperature (°C)	27°C	50°C
ΔT_{max} (°C-Vacuum):	127	142
Qmax (watts):	4.0	4.4
I _{max} (amps):	5.2	5.2
V _{max} (vdc):	8.1	9.1
AC Resistance (ohms):	1.51	---

Mechanical Characteristics



Ordering Options

Model Number	Description
SP2394-01AB	Met Base and Top – cooler is mounted and shipped on test base
SP2394-02AB	Met Base Only – cooler is mounted and shipped on test base
SP2394-03AB	No Met, Non Burn In
SP2394-04AB	Met Base Only, Non Burn In
SP2394-05AB	Met Base and Top, 117° both sides

Features

- For example, and SP2394 with only the hot side metallized is specified as an SP2394-02AB
- Pretinned metallized ceramic surface(s) with 117°C solder.
- Elevated temperature burn-in with test data provided.



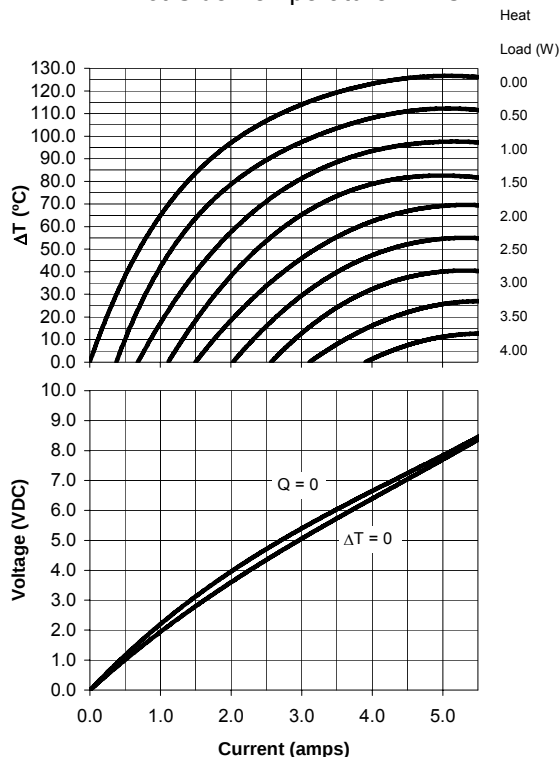
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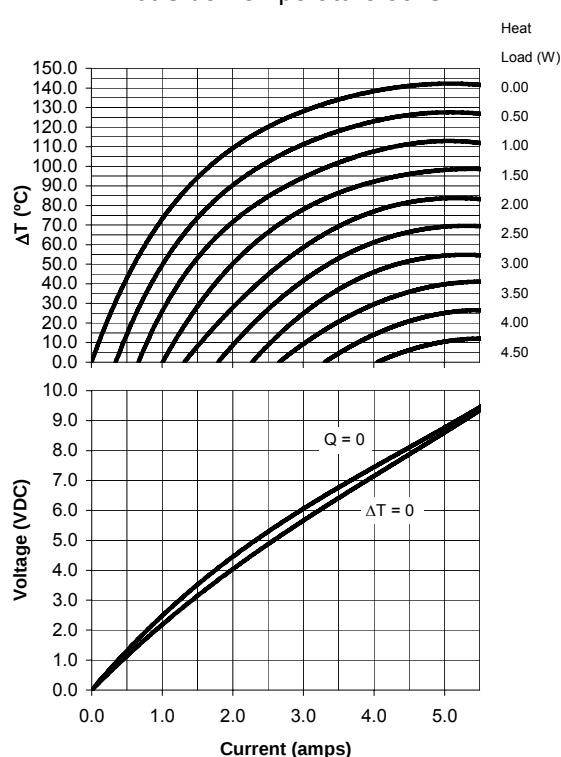
Performance Curves

Environment: Vacuum

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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