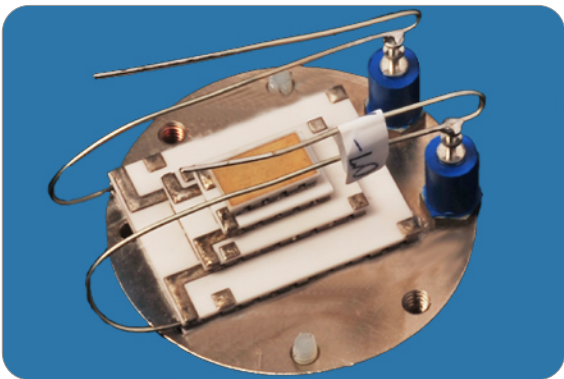




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Subsidiary of II-VI INCORPORATED

TECHNICAL DATA SHEET



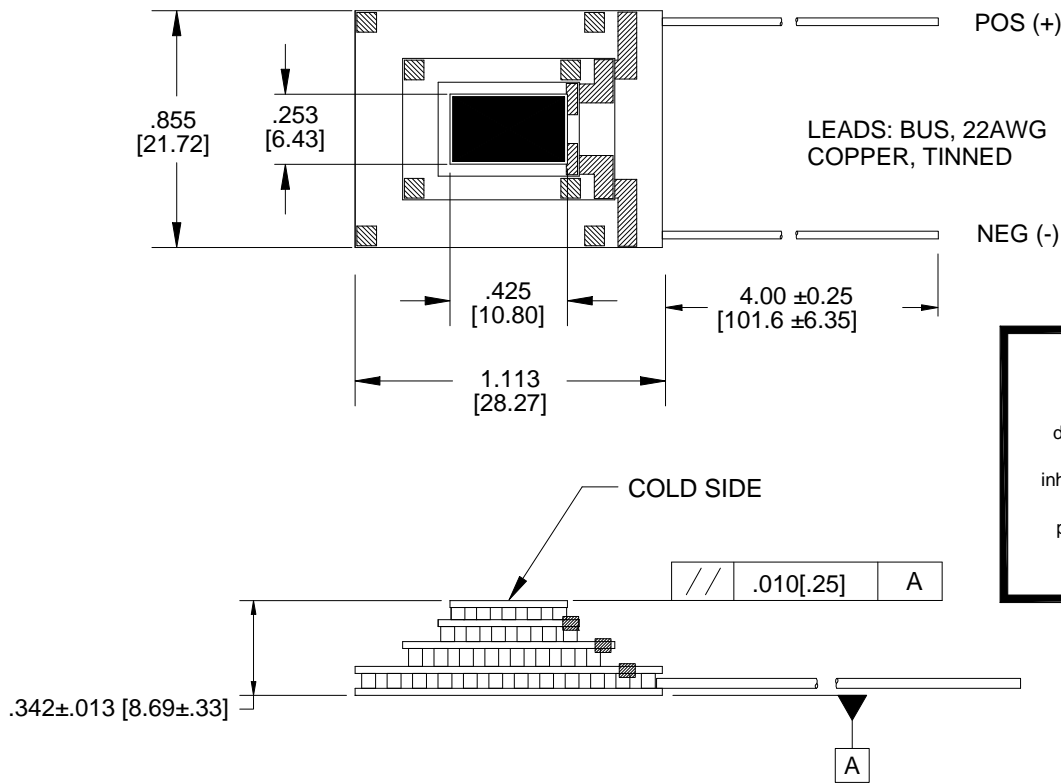
SP2394

Multi-Stage Thermoelectric Cooler

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C - Vacuum):	130	146
Qmax (watts):	4.5	4.9
I _{max} (amps):	5.1	5.1
V _{max} (vdc):	8.5	9.4
AC Resistance (ohms):	1.56	--

MECHANICAL CHARACTERISTICS



Beryllium Oxide Handling Precautions

Beryllium oxide can be toxic only when dust, mist, or fumes containing particles small enough to enter the lungs are inhaled. For the user, precautions required are to avoid grinding, machining or pulverizing the material by mechanical, thermal, or chemical processing.
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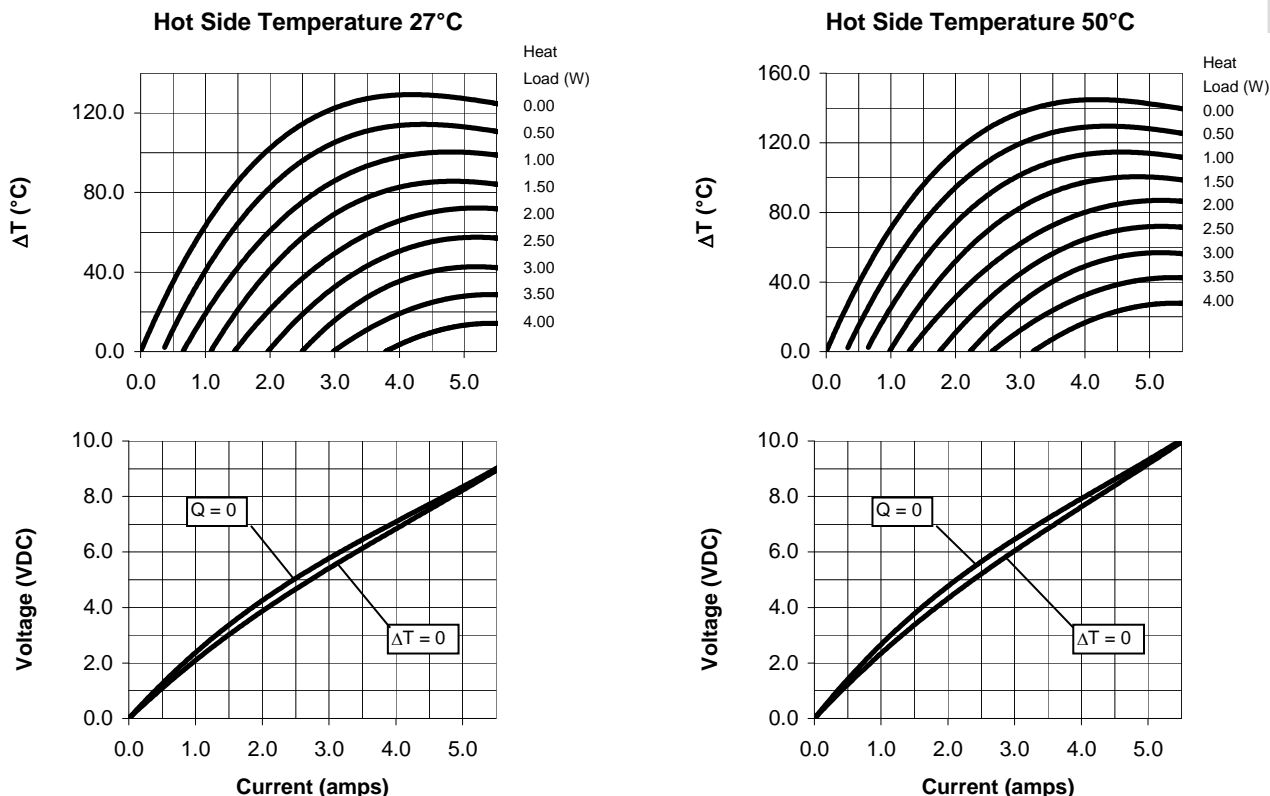
ORDERING OPTIONS

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

AVAILABLE MODIFICATIONS

Pretinned metallized ceramic surface(s) with 117°C solder.
Elevated temperature burn-in with test data provided.

ENVIRONMENT: VACUUM



For performance information other than 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.

CONTACT US:

For customer support or general questions please contact a local office below or consult our website for distributor information.

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