

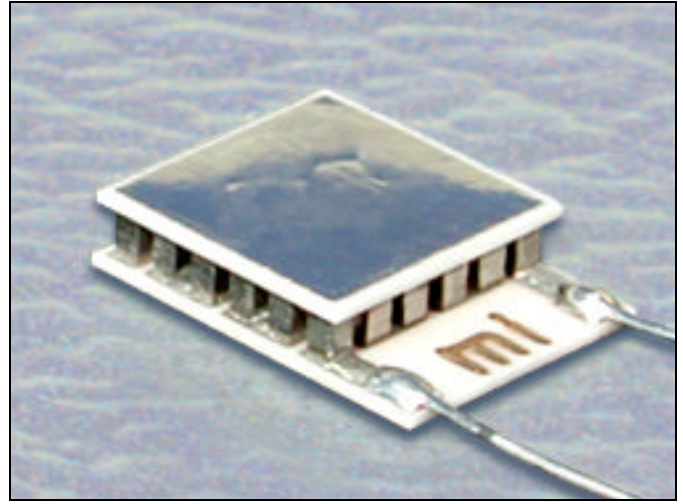


Thermoelectric Cooler

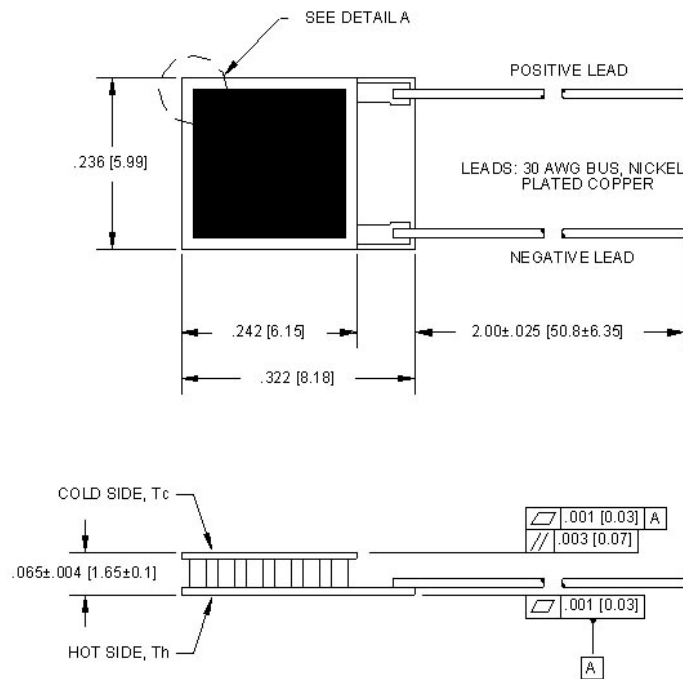
SP5162

Performance Values

Hot Side Temperature (°C)	27°C	85°C
Δ Tmax (°C-dry N ₂):	68	88.5
Qmax (watts):	2.30	2.80
I _{max} (amps):	1.60	1.50
V _{max} (vdc):	2.17	2.74
AC Resistance (ohms):	1.14	---



Mechanical Characteristics



Ceramic material: Alumina (AC)

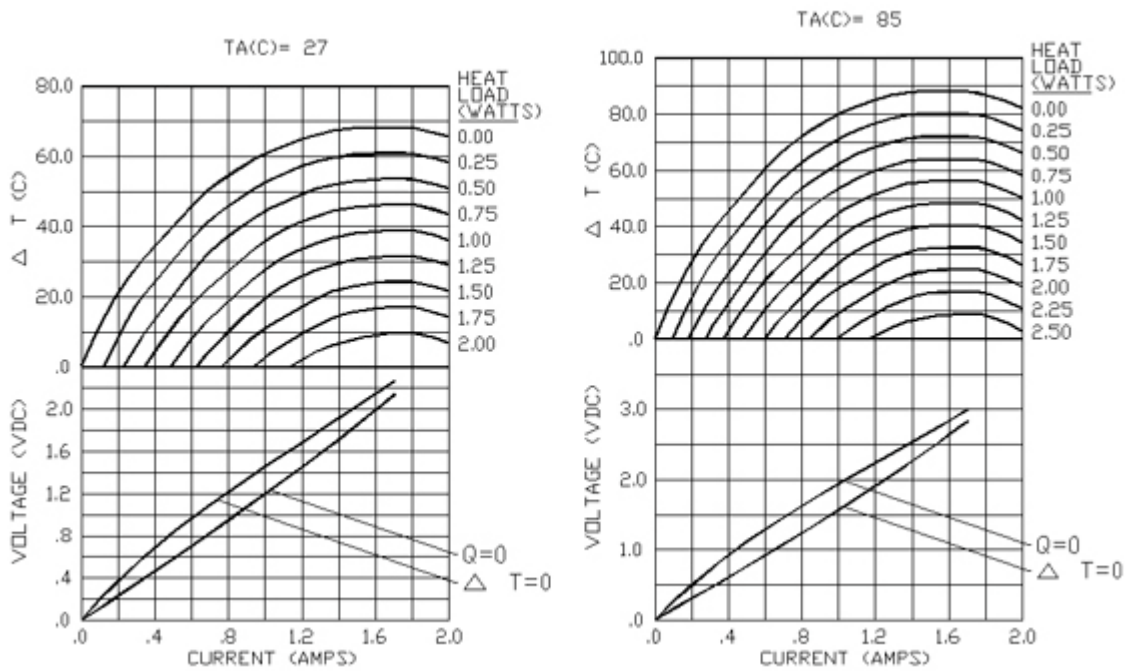
Ordering Options

SP5162-01AC	hot side exterior is metallized
SP5162-04AC	both surfaces are metallized with 183°C

For information regarding additional ordering options available, please contact a Marlow engineering representative.

Performance Curves

Environment: One atmosphere dry nitrogen



For performance information in a vacuum or with hot side temperatures other than 27°C or 85°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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