

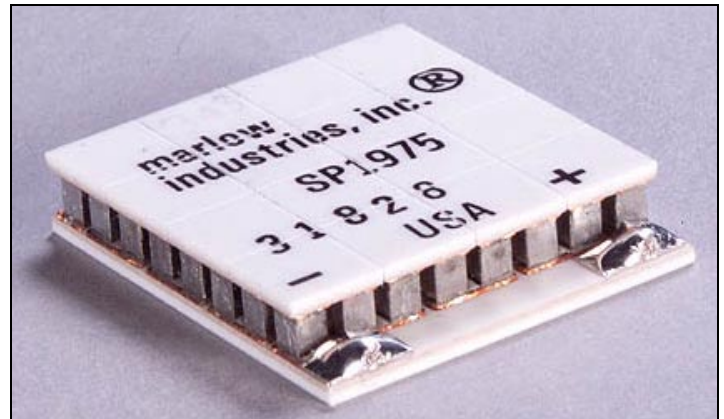


**Thermoelectric Cooler**

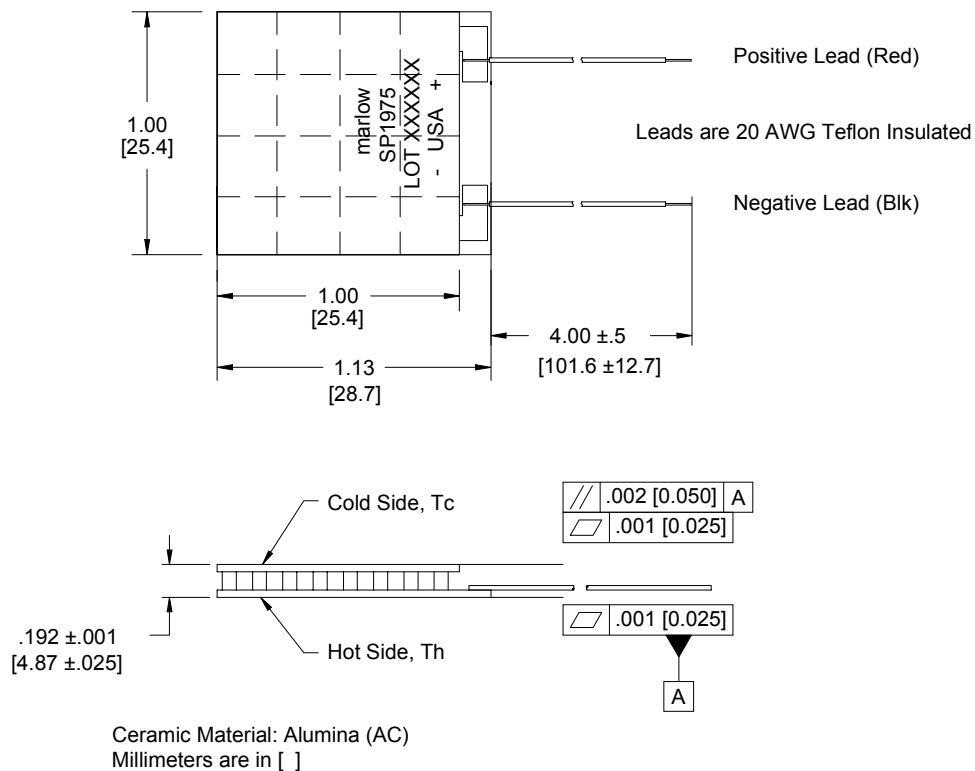
**SP1975**

**Performance Values**

Hot Side Temperature (°C)	27°C	50°C
Δ Tmax (°C-dry N <sub>2</sub> ):	60.0	68.0
Qmax (watts):	20.4	22.6
I <sub>max</sub> (amps):	8.92	8.76
V <sub>max</sub> (vdc):	3.63	4.02
AC Resistance (ohms):	0.332	---



**Mechanical Characteristics**

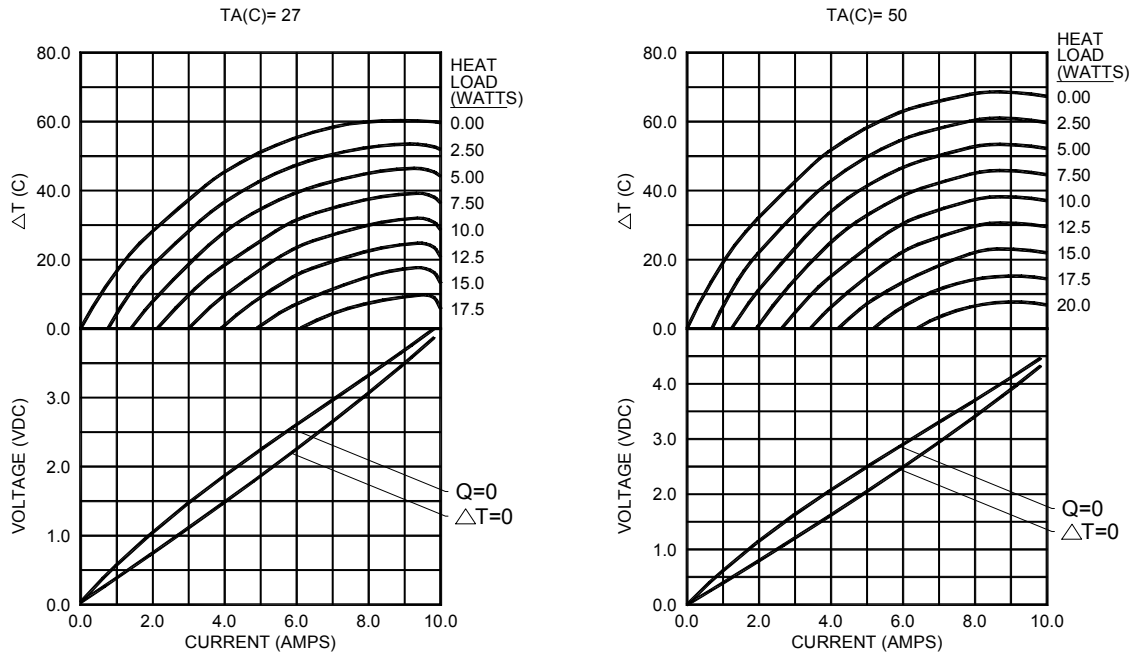


**Ordering Options**

SP1975-00	with out lead wires
SP1975-03	with 4" lead wires

## Performance Curves

Environment: One atmosphere dry nitrogen



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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