

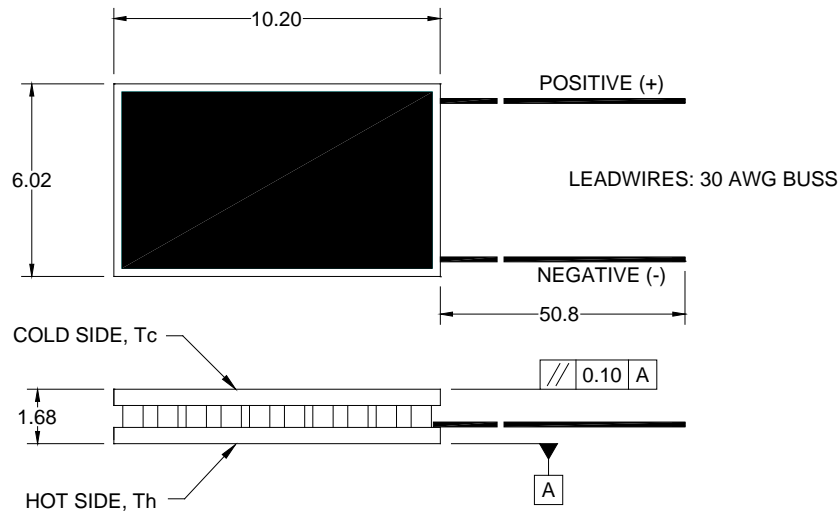
CM29-1.9

Single-Stage Thermoelectric Cooler
RoHS EU Compliant

TYPICAL PERFORMANCE VALUES

Hot Side Temperature (°C)	27°C	85°C
ΔT_{max} (°C-dry N ₂):	71	92
Q _{max} (watts):	4.3	5.2
I _{max} (amps):	1.9	1.8
V _{max} (vdc):	3.5	4.4
AC Resistance (ohms):	1.54	--

MECHANICAL CHARACTERISTICS



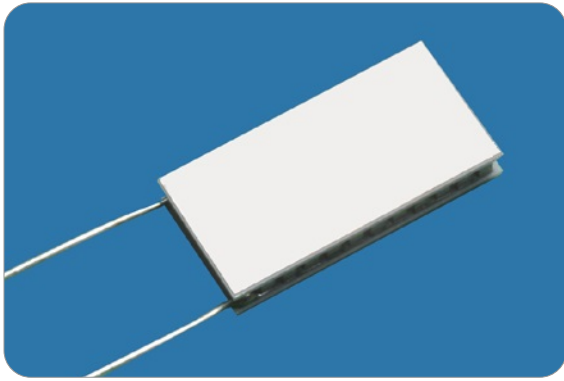
-01AC, -04AC, -05AC

ORDERING OPTIONS

Model Number	Description
CM29-1.9-01AC	Metallized Exterior, Buss Wires
CM29-1.9-04AC	146°C Pretinned Exterior, Buss Wires
CM29-1.9-05AC	138°C Pretinned Exterior, Buss Wires
CM29-1.9-06AC	Bare Exterior, Insulated Leadwires

PRODUCT FEATURES

- All dimensions are millimeters.
- All values are nominal values.
- Marlow reserves the right to make product changes without notice.
- Au flash exterior, suitable for soldering.
- AIO ceramics
- Minimum order quantity of 20 pieces.
- Maximum process temperature is 220°C.



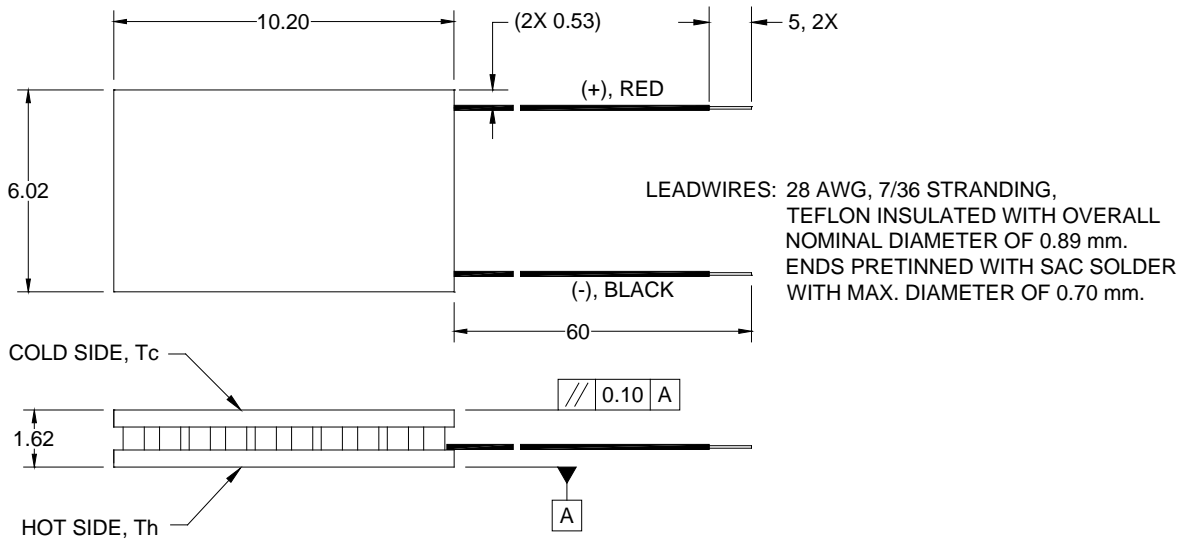
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MECHANICAL CHARACTERISTICS



-06AC

ORDERING OPTIONS

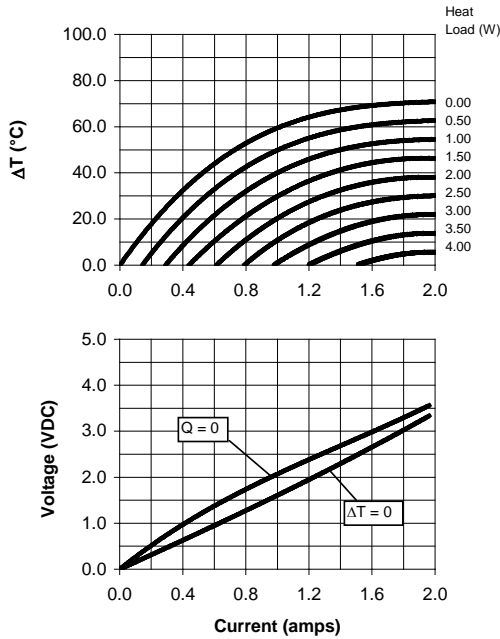
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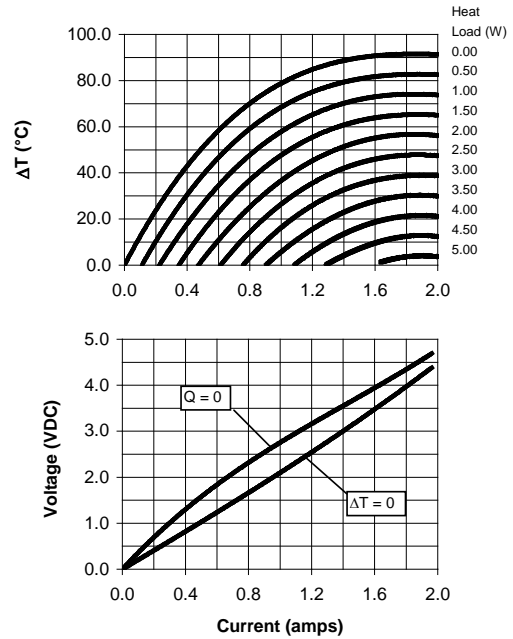
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ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN

Hot Side Temperature 27°C



Hot Side Temperature 85°C



For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, contact one of our Applications Engineers at 877-627-5691.

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 visit our website at www.marlow.com.

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