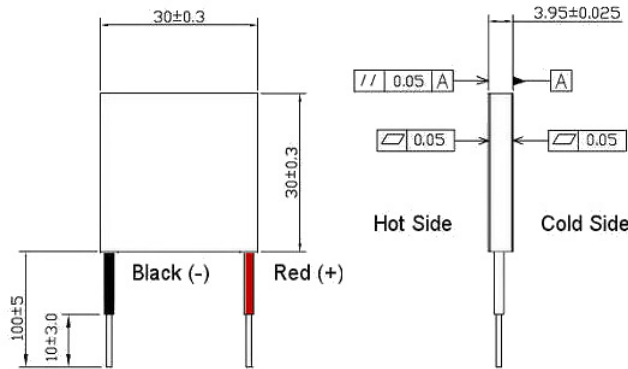


Specifications (Hot-Side Temperature 27 °C)

I_{max} maximum current at ΔT_{max}	V_{max} maximum voltage at ΔT_{max}	Q_cmax maximum cooling capacity at I _{max} , V _{max} and $\Delta T = 0\text{ }^{\circ}\text{C}$	ΔT_{max} maximum temperature difference at I _{max} , V _{max} and Q _c = 0W	Internal Resistance
6.0 Amps	16.1 Volts	31.1 Watts	70 °C	1.25 Ω \pm 10%



Dimensions: 30 x 30 x 3.95mm

Operating temperature range: -50 °C ~ +200 °C
(Solder melting point: +235 °C)

Thickness tolerance: \pm 0.025mm
Flatness and parallel variance: \pm 0.05mm
(Lapping to \pm 0.01mm available.)

Standard lead wires: 20 AWG, Tin (Sn) plated at module interface, with a maximum temperature of +105 °C
(Other wiring options available)

Maximum recommended compression: 1Mpa

Ceramics: Alumina (AL₂O₃)
Available with metalized and tinned surfaces

Lot number (only) printed on the cold-side ceramic.

RoHS Compliant

TM 71-1.4-6.0 Web Page



TM 71-1.4-6.0 is a popular multi-purpose single-stage thermoelectric module with a 30 x 30mm footprint. It is intended for use from 5 to 8 Volt DC nominal power sources.

TM 71-1.4-6.0 can be used with a very wide variety of economical extruded heat-sinks without the hot-side temperature becoming unreasonably high. It's also frequently used in strings. For example, two connected in series can be operated from a 12V source (or 15V). Four in series are operated with a 24V source, etc. A combination of parallel strings of modules in series allows coverage of a large surface area.

Available in pre-wired and sealed strings, of your design or ours (2-12 modules long).

Operating temperature range: -50 °C ~ +200 °C

Contact sales@electracool.com
for a quotation

Advanced Thermoelectric, PO Box 1003, White River, VT 05001

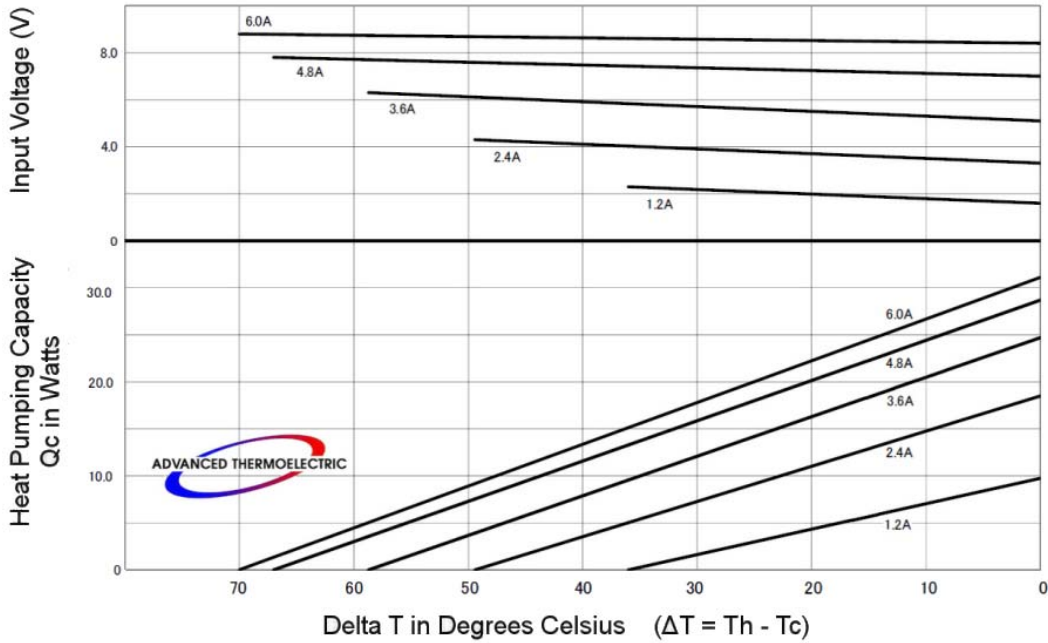
Advanced Thermoelectric toll-free 1-866-665-5434 (603) 888-2467 sales@electracool.com



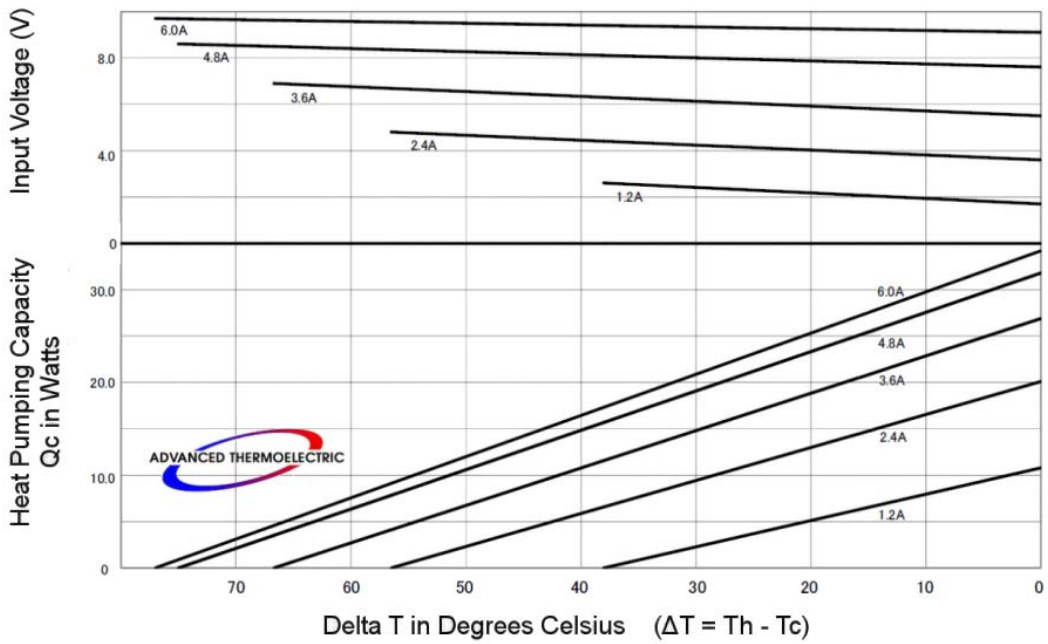
TM 71-1.4-8.5

Thermoelectric cooling Module

TM 71-1.4-6.0 Performance Curves $T_h = 27\text{ }^\circ\text{C}$



TM 71-1.4-6.0 Performance Curves $T_h = 50\text{ }^\circ\text{C}$



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