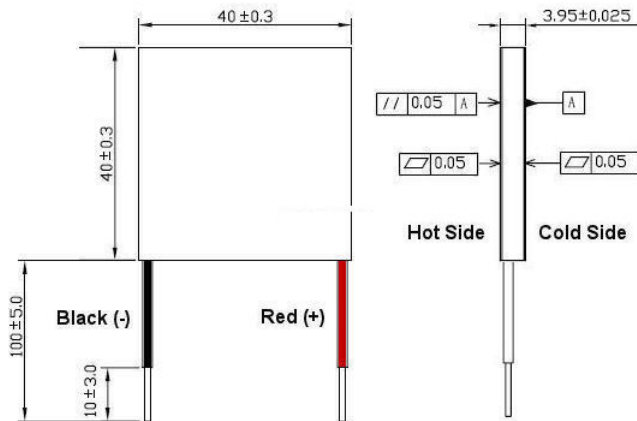


## Specifications (Hot-Side Temperature 27 °C)

$I_{max}$ maximum current at $\Delta T_{max}$	$V_{max}$ maximum voltage at $\Delta T_{max}$	$Q_{c,max}$ maximum cooling capacity at $I_{max}$ , $V_{max}$ and $\Delta T = 0\text{ }^{\circ}\text{C}$	$\Delta T_{max}$ maximum temperature difference at $I_{max}$ , $V_{max}$ and $Q_c = 0\text{ W}$	Internal Resistance
6.0 Amps	16 Volts	56 Watts	70 °C	2.2 $\Omega \pm 10\%$



Dimensions: 40 x 40 x 3.95 (mm)

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

Thickness tolerance:  $\pm 0.025\text{ mm}$   
Flatness and parallel variance:  $\pm 0.05\text{ mm}$   
(Lapping to  $\pm 0.01\text{ mm}$  for multi-module apps 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 ( $\text{Al}_2\text{O}_3$ )

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

RoHS Compliant

*Are you a manufacturer and need a slightly different module?  
Our TE modules can be customized in a variety of ways and we can likely provide precisely what you require. Let us know what you need and we'll be happy to let you know what we can do for you.*

**TM 127-1.4-6.0 Web Page Link**

TM-127-1.4-6.0 is a solid performer and our most popular 40 x 40 mm multi-purpose single-stage thermoelectric module. It's the perfect balance between good cooling capacity with the ability to use a variety of economical (extruded) heat-sinks that can keep the hot-side temperature from becoming unreasonably high.

May be used for cooling, heating and temperature stabilization and is used in a wide range of applications including refrigeration, consumer goods, instrumentation, medical, analytical, laboratory & scientific instruments, electro-optics, telecommunications, industrial and military.

Available in pre-wired and sealed strings, of your design or ours (2-12 modules long). Can be built with metalized (and tinned) surfaces. A version for thermal cycling is available. Contact us for details.

Option Prices and Designations (Suffix):

RTV Edge sealing = "RTV" \$1 per module  
Epoxy edge sealing = "E" \$2 per module  
Lapping to  $\pm 0.01\text{ mm}$  = "L" (for multi-module apps) \$2

(for example TM-127-1.4-6.0 "EL")

Price: 1 ~ 9 \$ 35.75  
10+ \$ 27.50  
100+ \$ 20.25  
500+ \$ 15.50  
1,000+ Call for Quote

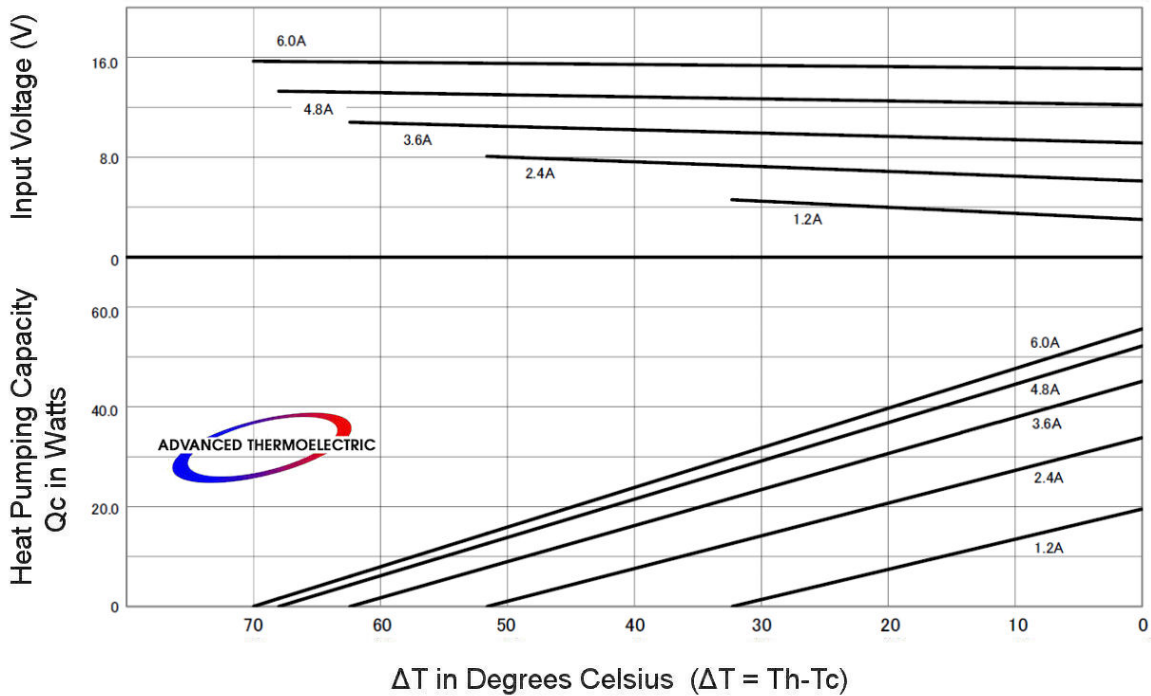
Advanced Thermoelectric, PO Box 1003, White River, VT 05001  
toll-free 1-866-665-5434 (603) 888-2467 sales@electracool.com



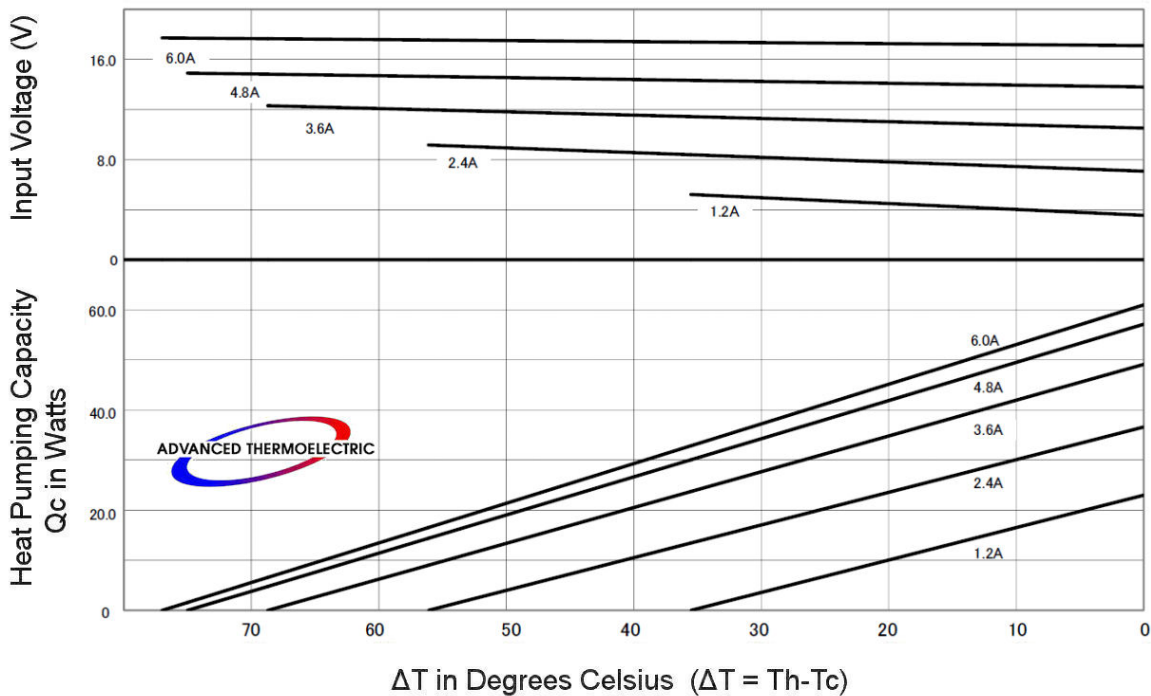
# TM-127-1.4-6.0

Thermoelectric Module

TM 127-1.4-6.0 Performance Curves Th 27 °C



TM 127-1.4-6.0 Performance Curves Th 50 °C



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