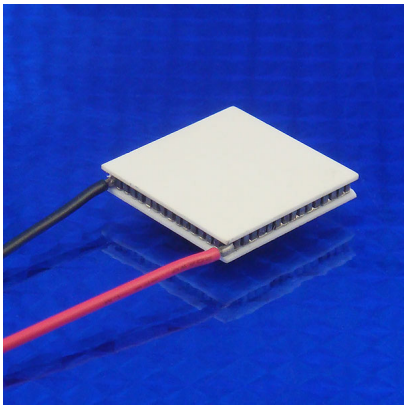
TEC Specification Sheet

CUSTOM THERMOELECTRIC
Your Thermoelectric Partner

Part #	I_{max} (Amps)	Q_{max} (Watts)	V_{max} (Volts)	DT_{max} (°C)	T_{max} (°C)
12711-9Q31-03CK	3.0	28.3	15.2	67°C	200°C



Custom Options:

Call for custom wire types and other custom options.

Notes:

Typical power input is 40% to 80% of I_{max}

Maximum Waste Heat (exiting the hot side) at 100% input power, $I=I_{max}$, $V=V_{max}$ is;

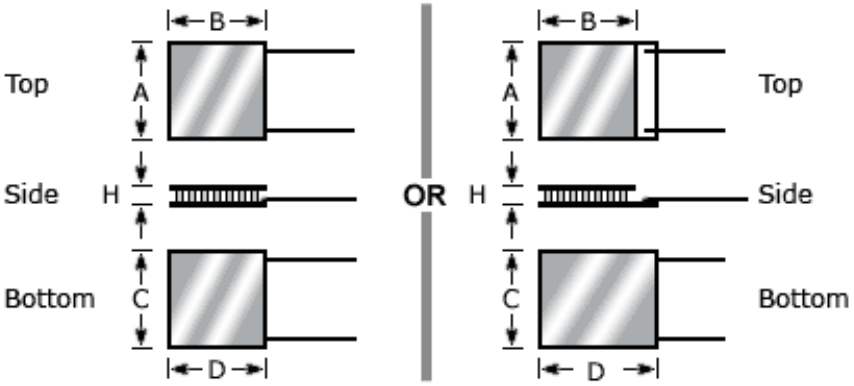
(I_{max} * V_{max}) + Q_{max} = **73.9 watts**

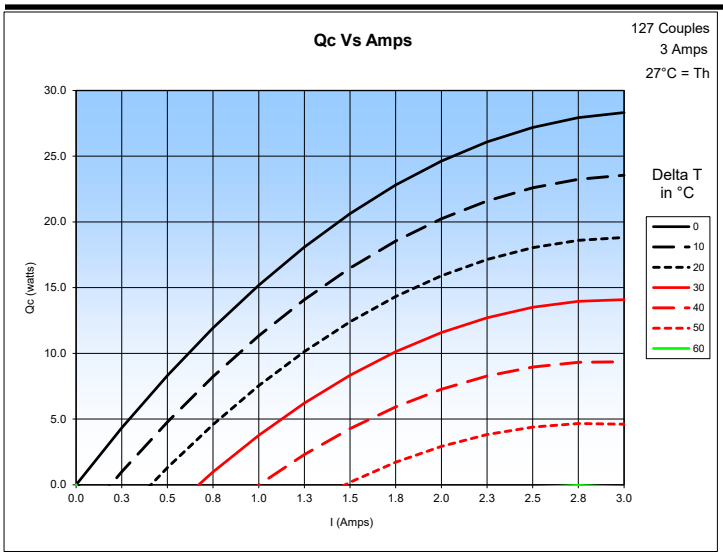
Use of a properly sized heat sink or water block is required.

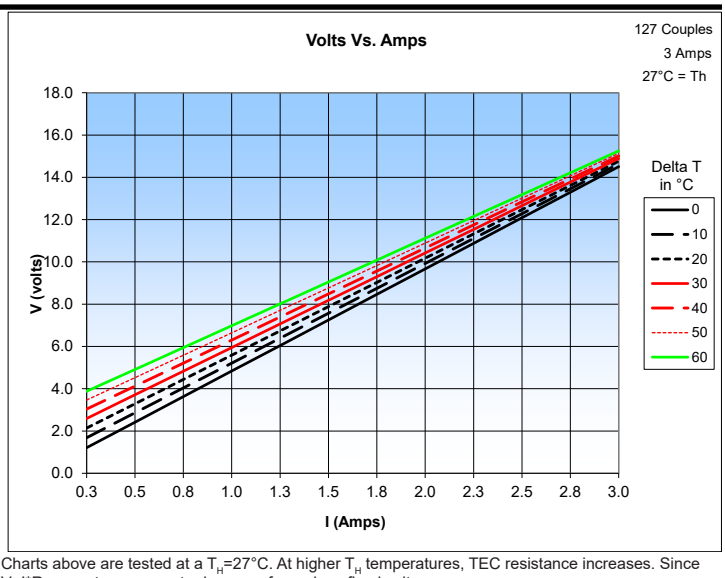
Bottom Plate				Top Plate				Metallized Height		Lapped Height	
A		B		C		D		H		H	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
25.0	0.98	25.0	0.98	25.0	0.98	25.0	0.98	NA	NA	3.0	.118

Tolerances (typical)
A, B, C, D = ±0.25mm (±0.01")
H = ±0.15mm (±0.006")

Weight (w/o leads)
6 grams







Charts above are tested at a T_H=27°C. At higher T_H temperatures, TEC resistance increases. Since V=I*R, expect amperage to decrease for a given fixed voltage.

REV. 10-17-2018