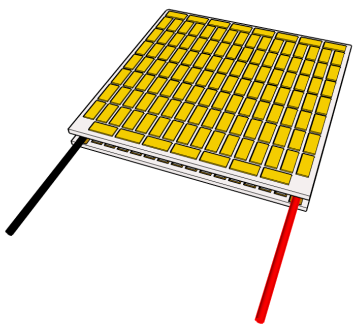
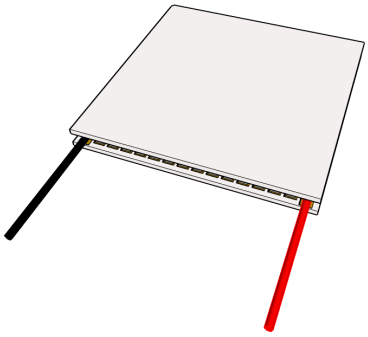
TEC Specification Sheet

CUSTOM THERMOELECTRIC
Your Thermoelectric Partner

Thermolyte Part #	I_{max} (Amps)	Q_{max} (Watts)	V_{max} (Volts)	DT_{max} (°C)	T_{max} (°C)
12701-9P31-14BW1	14.0	116.8	16.5	67°C	200°C



Metallized



Lapped

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;

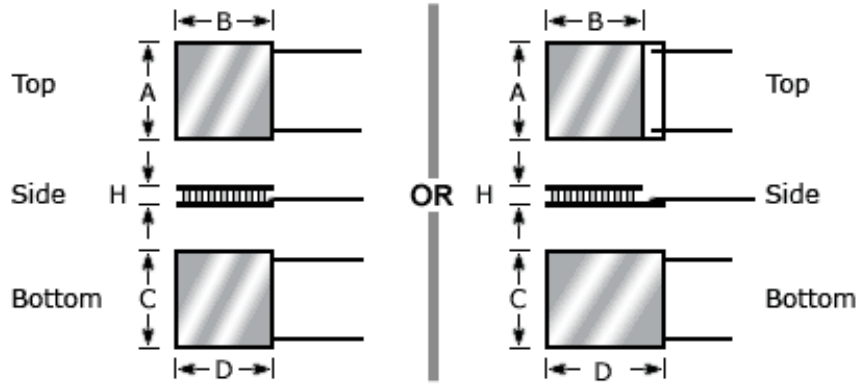
$(I_{max} * V_{max}) + Q_{max}$ = **347.8 watts**

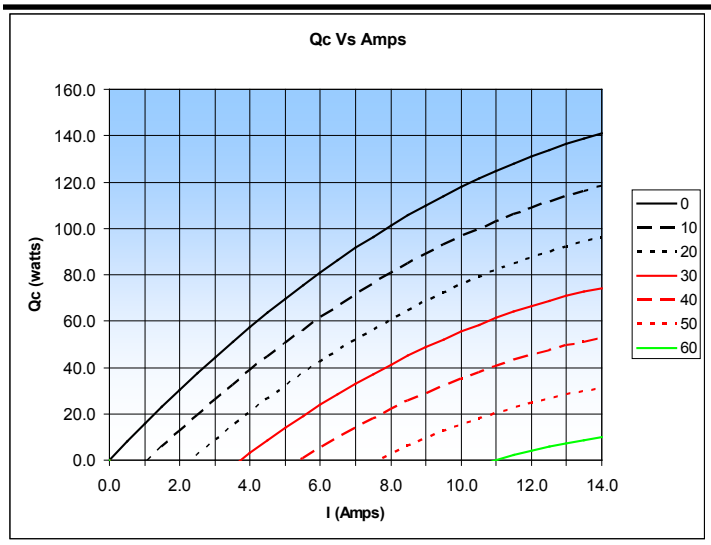
Use of a properly sized heat sink or water block is required to remove waste heat.

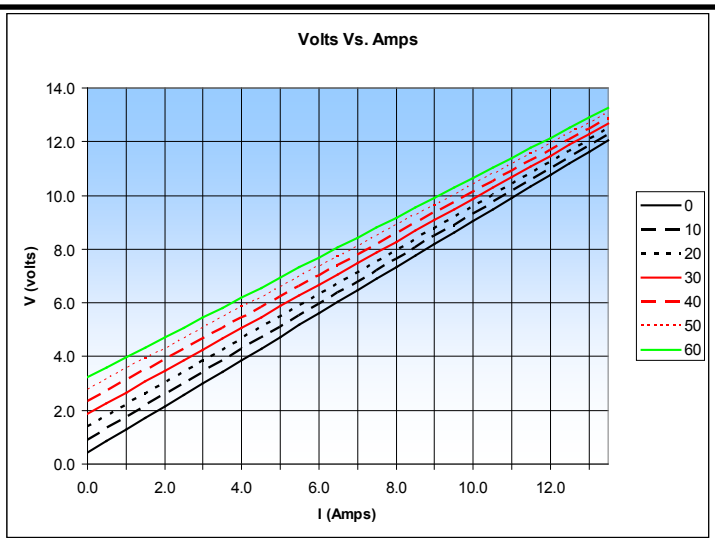
Bottom Plate				Top Plate				Metallized Height		Lapped Height	
A		B		C		D		H		H	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
50.80	2.00	50.80	2.00	50.80	2.00	50.80	2.00	4.45	.175	3.94	.155

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

Weight (w/o leads)
- grams







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All technical information and data in this document is based on tests and measurements and is believed to be accurate and reliable. Product testing by the purchaser is recommended in order to confirm expected results for specific applications. Materials and specifications are subject to change without notice. REV. 5-10-2017