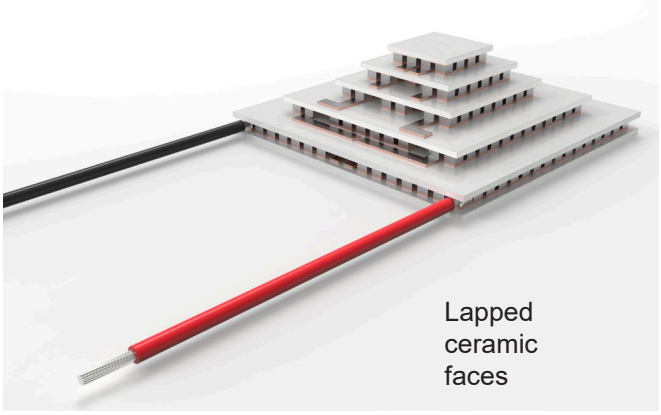
TEC Specification Sheet

CUSTOM THERMOELECTRIC
Your Thermoelectric Partner

Part #	I_{max} (Amps)	Q_{max} (Watts)	V_{max} (Volts)	DT_{max} (°C)	T_{max} (°C)
25415-5L30-65CQB	6.5	9.75	13.8	128°C	125°C



5 Stage TEC
8 cpl Top
17 cpl
31 cpl
71 cpl
127 cpl Bottom

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;

$(I_{max} * V_{max}) + Q_{max}$ = **99.45 watts**

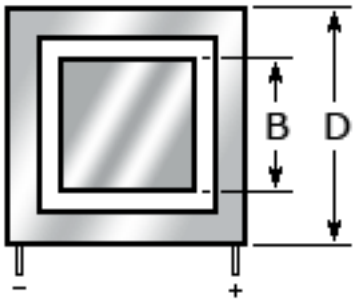
Use of a properly sized heat sink or water block is required to remove waste heat.

Top Plate				Bottom Plate				Metallized Height		Lapped Height	
A		B		C		D		H		H	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
10.00	.394	10.00	.394	40.00	1.575	40.00	1.575	NA	NA	12.5	.492

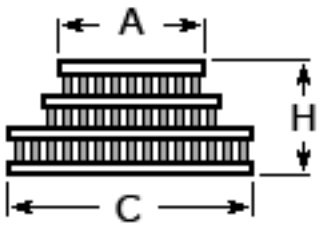
Tolerances (typical)
A, B, C, D = ±0.13mm (±0.005")
H = ±0.5mm (±0.020")

Weight (w/o leads)
34 grams

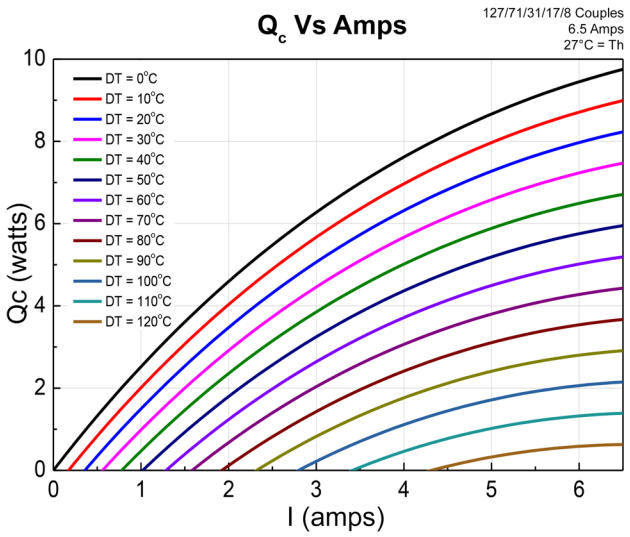
ACR (@27°C)
2.2 ohms ±10%

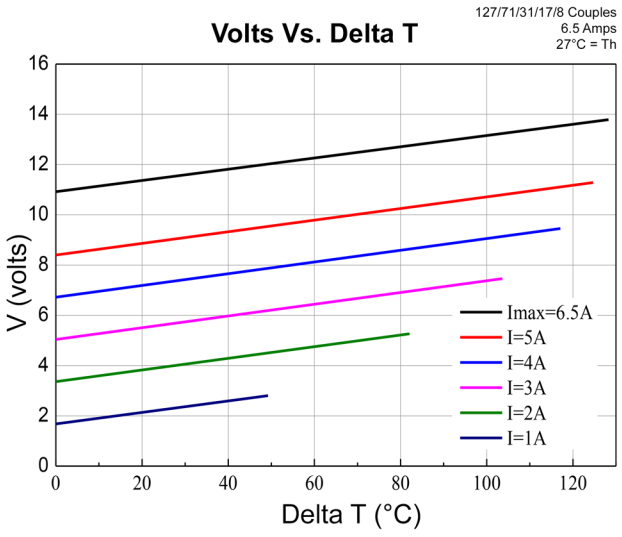


TOP VIEW



SIDE VIEW





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.

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