

TEC Specification Sheet

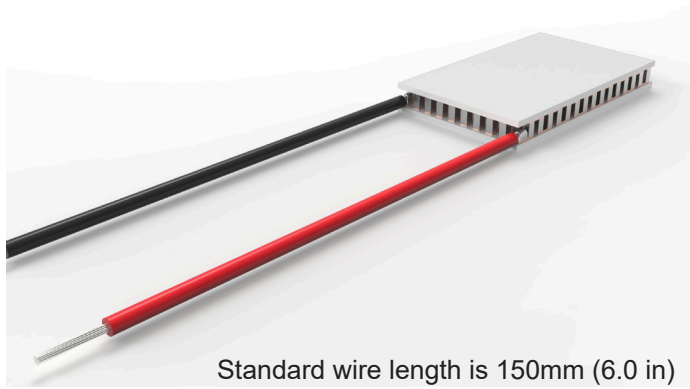
Part #	I _{max} (Amps)	Q _{max} (Watts)	V _{max} (Volts)	DT _{max} (°C)	T _{max} (°C)
07911-5Q31-03CFK	3.0	17.6	9.5	67°C	125°C

Custom Options:

Call for custom wire types and other custom options.

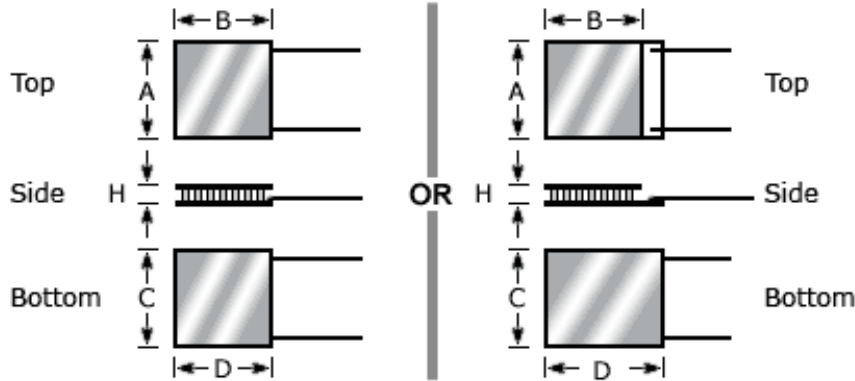
Notes:

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;
 $(I_{max} * V_{max}) + Q_{max} = 46.1 \text{ watts}$
 Use of a properly sized heat sink or water block is required.

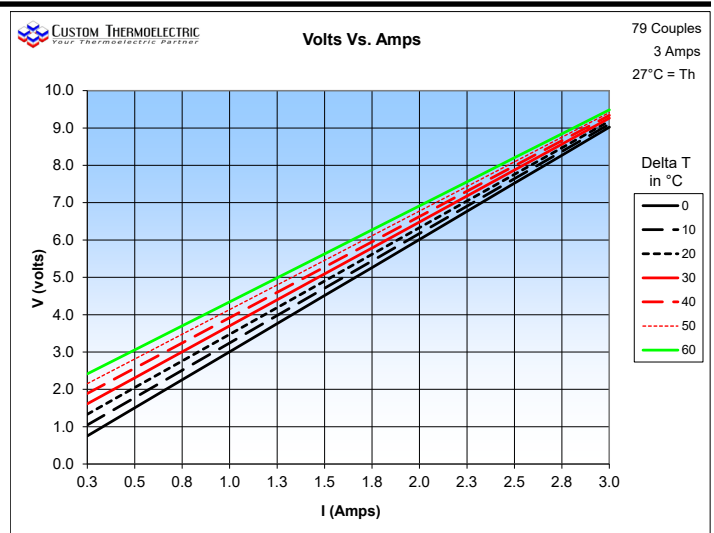
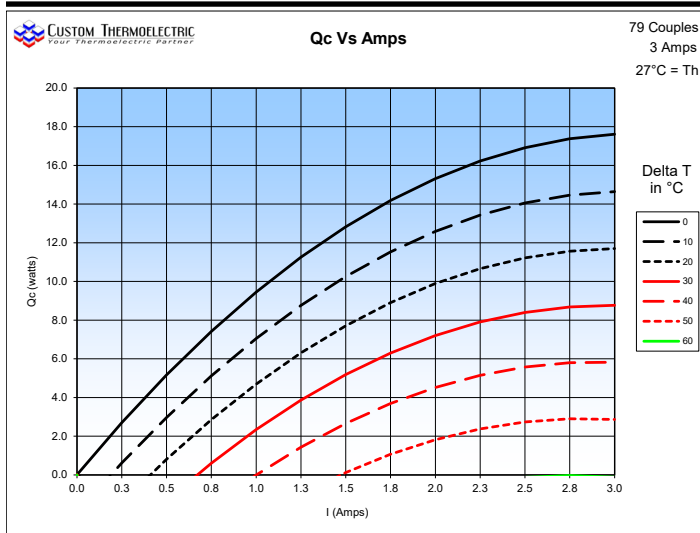


Bottom Plate				Top Plate				Metallized Height		Lapped Height	
A		B		C		D		H		H	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
15.0	0.591	25.0	0.984	15.0	0.591	25.0	0.984	NA	NA	3.0	.118

Weight (w/o leads)
5 grams
ACR (@27°C)
2.9 ohms ±10%



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



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.