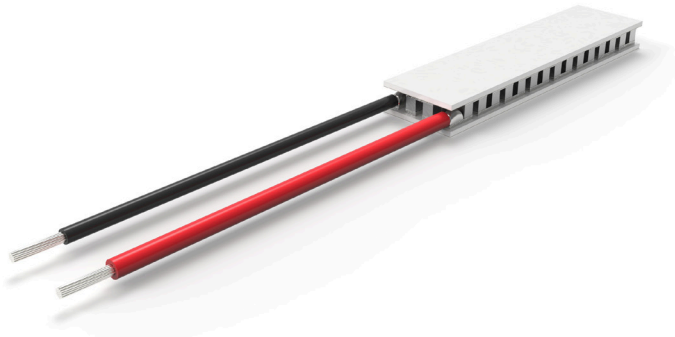


# TEC Specification Sheet



Part #	I <sub>max</sub> (Amps)	Q <sub>max</sub> (Watts)	V <sub>max</sub> (Volts)	DT <sub>max</sub> (°C)	T <sub>max</sub> (°C)
<b>03111-5L31-06CBQ</b>	6.0	12.5	3.75	68°C	125°C



### Custom Options:

Email / Call for custom wire types and other custom options.

### Notes:

Typical power input is 40% to 80% of I<sub>max</sub>

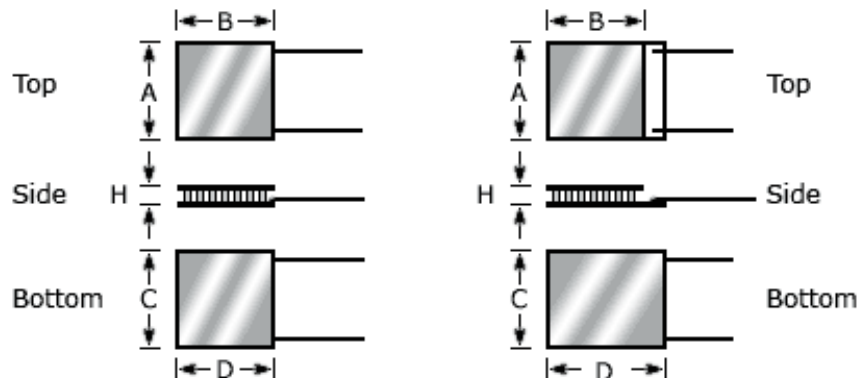
Maximum Waste Heat (exiting the hot side) at 100% input power, I=I<sub>max</sub>, V=V<sub>max</sub> is;

$$(I_{max} * V_{max}) + Q_{max} = 35 \text{ watts}$$

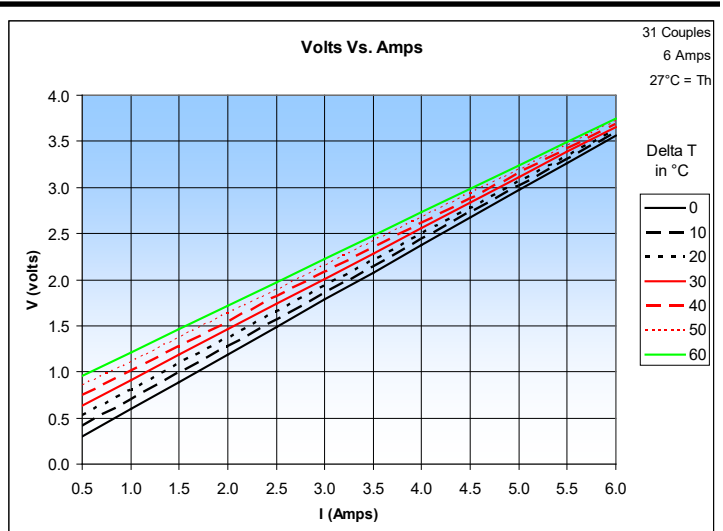
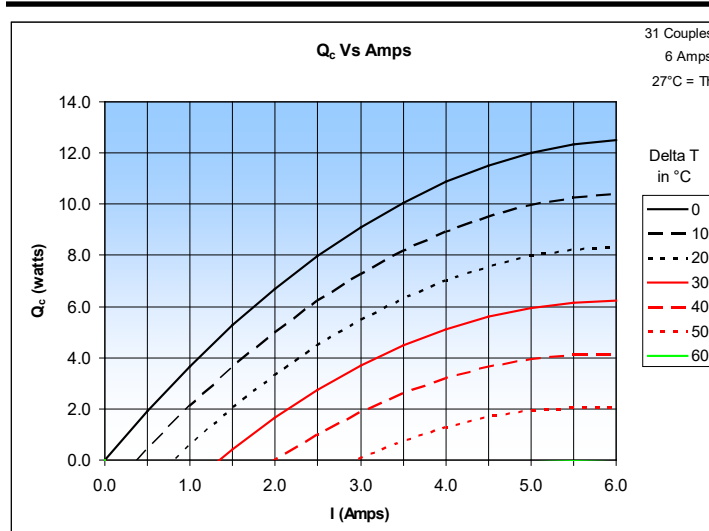
Use of a properly sized heat sink or water block is required to remove the waste heat.

Standard wire length is 150mm (6.0 in)

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
10.00	0.394	40.00	1.575	10.00	0.394	40.00	1.575	NA	NA	3.8	0.150



Tolerances (typical)  
 A, B, C, D = ±0.25mm (±0.010")  
 H = ±0.2mm (±0.008")



Charts above are tested at a T<sub>h</sub>=27°C. At higher T<sub>h</sub> temperatures, TEC resistance increases. Since V=I\*R, expect amperage to decrease for a given fixed voltage.