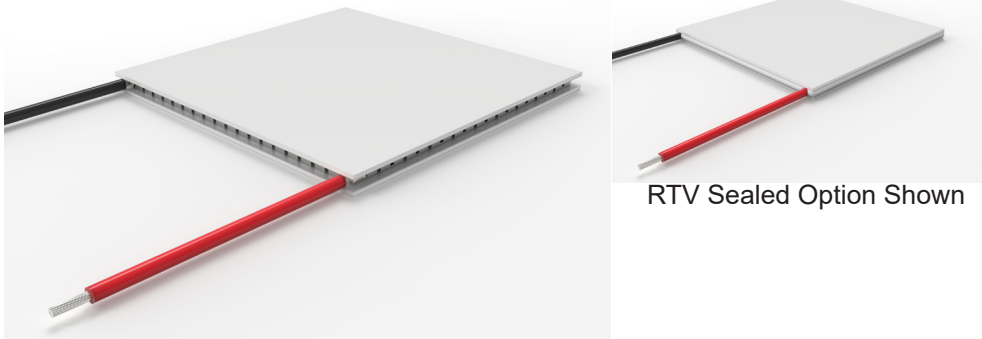


TEC Specification Sheet

Part #	I _{max} (Amps)	Q _{max} (Watts)	V _{max} (Volts)	DT _{max} (°C)	T _{max} (°C)
19911-5P31-28CZ	28.0	400.0	24.8	62°C	125°C



RTV Sealed Option Shown

Custom Options:

Call for custom wire types and other custom options.

Notes:

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

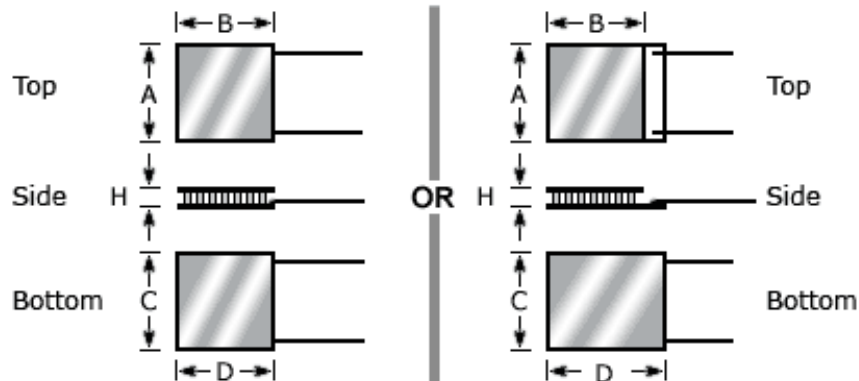
Maximum Waste Heat (exiting the hot side) at 100% input power, I=I_{max}, V=V_{max} is;

$$(I_{max} * V_{max}) + Q_{max} = 1094.4 \text{ watts}$$

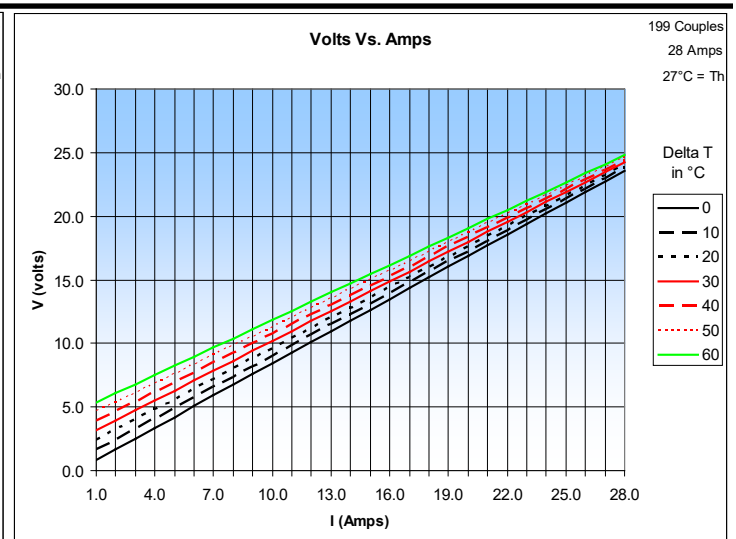
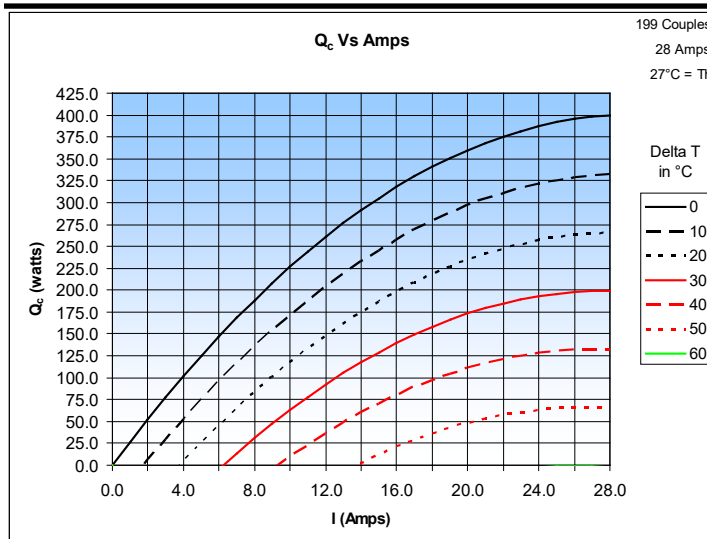
Use of a properly sized heat sink or water block is required to remove waste heat.

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
62.00	2.44	62.00	2.44	62.00	2.44	62.00	2.44	NA	NA	3.5	.138

Weight (w/o leads)
52 grams



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.