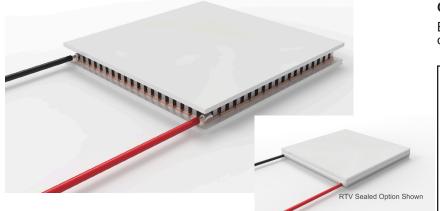


Part #	I <sub>max</sub> (Amps)	Q <sub>max</sub> (Watts)	V <sub>max</sub> (Volts)	DT <sub>max</sub> (°C)	T <sub>max</sub> (°C)
19911-9Q31-02CQ	2.0	28.1	24.0	67°C	200°C



## **Custom Options:**

Email / 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;

$$(I_{max} * V_{max}) + Q_{max} = 76.1$$
 watts

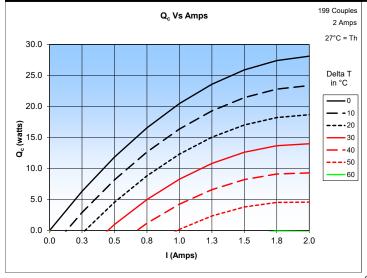
Use of a properly sized heat sink or water block is required to remove the waste heat.

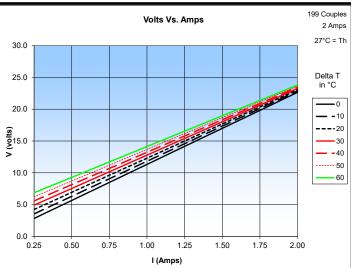
Bottom Plate			Top Plate			Metallized Height		Lapped Height			
,	АВ		С		D		Н		Н		
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
40.0	1.57	40.0	1.57	40.0	1.57	40.0	1.57	NA	NA	4.4	.173
Weight (w/o leads)			-B→I   ←B→I		Tolerances (typical) A, B, C, D = ±0.25mm (±0.010") H = ±0.2mm (±0.008")						

Weight (w/o leads)
21 grams

Side H

Bottom
C





Charts above are tested at a  $T_H$ =27°C. At higher  $T_H$  temperatures, TEC resistance increases. Since V=1\*R, expect amperage to decrease for a given fixed voltage.