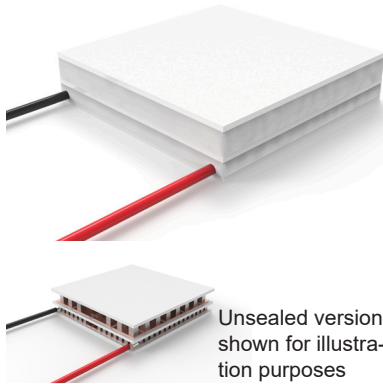


Part #	I <sub>max</sub> (Amps)	Q <sub>max</sub> (Watts)	V <sub>max</sub> (Volts)	DT <sub>max</sub> (°C)	T <sub>max</sub> (°C)
<b>1581T-9L31-05CQQ-S</b>	5.0	19.18	15.9	100°C	200°C



### Features:

- Designed to withstand thermal cycling with our proprietary mechanical stress absorbing technology.
- Uses select high performance BiTe materials to achieve a greater maximum Delta T and Q<sub>max</sub>.
- High Temperature capable. Short durations to 200°C and continuous use up to 180°C.
- RTV sealed

### Custom Options:

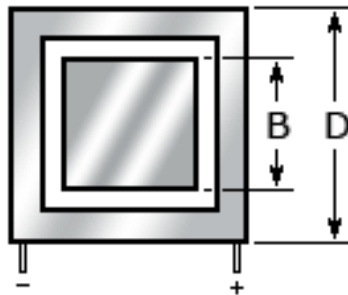
Call for custom wire types and other custom options.

### Notes:

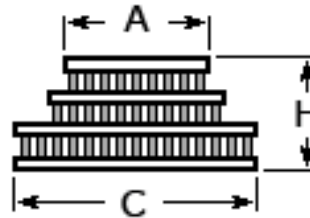
Typical power input is 40% to 80% of I<sub>max</sub>  
 Maximum Waste Heat (exiting the hot side) at 100% input power, I=I<sub>max</sub>, V=V<sub>max</sub> is;  
 $(I_{max} * V_{max}) + Q_{max} = 98.68 \text{ watts}$   
 Use of a properly sized heat sink or water block is required to remove waste heat.

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
40.0	1.57	40.0	1.57	40.0	1.57	40.0	1.57	NA	NA	9.0	.354

Weight
32 grams
ACR @ 27°C
2.65 Ohms ±10%



TOP VIEW



SIDE VIEW

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

