

Part #			I <sub>max</sub>	I <sub>max</sub> (Amps)		Q <sub>max</sub> (Watts)		V <sub>max</sub> (Volts)		(°C)	Г <sub>max</sub> (°С	;)
1581T-9L31-05CQQ-S			;	5.0		19.18		15.9		C	200°C	
Feat • [ • ] • ]				tures: Designed to withstand thermal cycling with our proprietary mechanical stress absorbing technology. Uses select high performance			Custom Options: Call for custom wire types and other custom options. Notes: Typical power input is 40% to 80% of I <sub>max</sub>					
	Un sho	g C • H d on o a-	<ul> <li>durations to 200°C and continu- ous use up to 180°C.</li> <li>RTV sealed</li> </ul>			Maximum Waste Heat (exiting the hot side) at 100% input power, $I=I_{max}$ , $V=V_{max}$ is; $(I_{max} * V_{max}) + Q_{max} = 98.68$ watts Use of a properly sized heat sink or water block is required to remove waste heat.						
Top Plate						m Plate		Metallized Height		Lapped Height		
	A		B						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 erances (typ	.354	ł
32 g ACR (	eight rams @ 27°C ms ±10%				B D		– C –	■ ■ →				
			TOP \	OP VIEW			SIDE VIEW					
21 18 15 12 0° (Matts) 0° (Matts) 0° 0°	$ \begin{array}{c} DT = 0^{\circ}C \\ DT = 10^{\circ}C \\ DT = 20^{\circ}C \\ DT = 30^{\circ}C \\ DT = 40^{\circ}C \\ DT = 50^{\circ}C \\ DT = 60^{\circ}C \\ DT = 70^{\circ}C \\ DT = 80^{\circ}C \\ DT = 90^{\circ}C \\ \end{array} $	1.5 2.0 Z I (A	2.5 3.0 mps)		C=Th	18 15 12 (stlov) > 6 3 0 0	10 20		50 60 7( elta T (°C)		27°C=Th Imax=5A I=4A I=3A I=2A I=1A I=0.5A 90 100 1	

Copyright © 2023-2024. All rights reserved. Custom Thermoelectric 11941 Industrial Park Road, STE 5, Bishopville, MD 21813 Tel. **443-926-9135** FAX: 443-926-9137 WEB: **www.customthermoelectric.com** E-mail: **temodule@customthermoelectric.com** All technical information and data in this document is based on tests and measurements and is believed to be accurate and reliable. Product testing by the purchaser is recommended in order to confirm expected results for specific applications. Materials and specifications are subject to change without notice. REV. 2024-02-20