

Part #			I <sub>max</sub>	I <sub>max</sub> (Amps)		Q <sub>max</sub> (Watts)		V <sub>max</sub> (Volts)		(°C)   T	max (°C)	
19911-5P31-12CW			1	12.0		177.1		23.8		;	125°C	
							Custom Options: Call for custom wire types and other custom options.					
							<b>Notes:</b> 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; $(I_{max} * V_{max}) + Q_{max} =$ <b>462.7 watts</b> Use of a properly sized heat sink or water block is required to remove waste heat.					
Bottom Plate					Top I	Plate		Metallized Height		Lapped Height		
A B			С		D		н		Н			
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
50.0	1.97	50.0	1.97	50.0	1.97	50.0	1.97	NA	NA	4.2 erances (typi	.165	
Weight (w/o leads) 32 grams Side H + O												
Bottom C							C Bottom  ← D →					
Q <sub>c</sub> Vs Amps					199 Couples 12 Amps 27°C = Th			Volts \	/s. Amps		199 Couples 12 Amps 27°C = Th	
200.0 180.0 180.0 140.0 140.0 (stiffer) 120.0 <b>o</b> 80.0 60.0 40.0 20.0 0.0 40.0 0.0 40.0 0.0 40.0 0.0		4.0 5.0 6.0 I (Arr			Delta T in °C	30.0 25.0 20.0 (st p) 15.0 10.0 5.0 0.0 0.5	1.5 2.5 3.5	5 4.5 5.5 I (An		9.5 10.5 1	Delta T in °C 0 10 10 20 - 30 40 50 - 60	

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