## **TEC Specification Sheet**



12711-9P31-24CW       24.0       226.1       15.2       62°C       200°C         Custom Options: Call for custom wire types and other custom options.         Notes: Typical power input is 40% to 80% of I_mo. Maximum Waste Heat (exiting the hot side) at 100% input power, I=I_mo., V=J_mo. IS; (I_mo. II_mo. III_mo. III_mo. III_mo. II_mo. II_mo. II_mo. II_mo. II_mo. II_mo. II_mo. II_mo. II_mo. II_mo	Part # I <sub>max</sub> (Amps) Q					(Watte) V (Volte) DT (°C) T (°C						
Custom Options: Call for custom wire types and other custom options.         Custom Options: Call for custom wire types and other custom options.         Notes: Typical power input is 40% to 80% of Imax Maximum Waste Heat (exiting the hot side) at 100% input power, I=Imax, V=V_max is; (Imax, V_ma) + Q_max = 590.9 watts Use of a property side Heat sink or water block is required.         Bottom Plate       Top Plate       Metallized Height       Lapped Height         Metallized Height       Lapped Height       Lapped Height       Lapped Height         Weight (w/o leads)       Top       Imax       Imax       Imax         Side       H       Imax       File       File         Side       H       Imax       File       File       File         Side       H       Imax       File       File       File       File		1	I <sub>max</sub> (Amps)		Q <sub>max</sub> (Watts)		V <sub>max</sub> (Volts)					
A         B         C         D         H         H           mm         in         mm							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; $(I_{max} * V_{max}) + Q_{max} = 590.9$ watts Use of a properly sized heat sink or water					
mm         in         mm         in<	Bottom Plate			Top Plate			Metallize		ed Height Lar		pped Height	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	A B			С			н		Н	н		
Weight (w/o leads) 30 grams Top Side H Bottom $C$ C C C C C C C	mm in i	mm	in	mm	in	mm	in	mm	in	mm	in	
Weight (w/o leads) 30 grams Top Side H $\frac{1}{4}$ Bottom $\frac{1}{2}$ 1	50.0 1.97 5	50.0	1.97	50.0	1.97	50.0	1.97	NA				
Q <sub>c</sub> Vs Amps 250.0 250.0 20	Weight (w/o leads) 30 grams Side H $\frac{1}{4}$ Bottom $\frac{1}{2}$						$R H = \frac{1}{C}$ $Bottom$ $A, B, C, D = \pm 0.25mm (\pm 0.01^{\circ})$ $H = \pm 0.15mm (\pm 0.006^{\circ})$					
l (Amps) l (Amps)	200.0 (stree) 0 150.0 100.0 50.0 0.0	0 10.0 12.0	14.0 16.0 18		24 Amps 27°C = Th Delta T in °C 	14.0 12.0 10.0 (state) 8.0 6.0 4.0 2.0	2.0 4.0 6.0	8.0 10.0 12	2.0 14.0 16.0 1	8.0 20.0 22	0 20 20 30 	

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