Dimensions in mm

42M048C

Ele	ctrical Data	42M048C1U Unipolar	42M048C2U Unipolar	42M048C1B Bipolar	42M048C2B Bipolar	
1	Operating Voltage	5	12	5	12	VDC
2	Resistance per Phase, ± 10%	9.1	52.4	9.1	52.4	Ohms
3	Inductance per Phase, typ	8.1	51.7	16.7	85.7	mH
4	Rated Current per Phase *	0.55	0.23	0.55	0.23	Α
Coi	independent parameters					
5	Holding Torque, MIN *	66.2 (9.4)	66.2 (9.4)	83.8 (11.9)	83.8 (11.9)	mNm (oz-in)
6	Detent Torque, Max	12.7 (1.8)				mNm (oz-in)
7	Rotor Inertia	12.5 (0.068)				gcm ² (oz-in-s ²)
8	Step Angle	7.5			Degree	
9	Absolute accuracy 2 ph. On, Full step	±.5				Degree
10	Steps per Revolution	48.0				
11	Ambient Temp Range (operating)	-20 to +70 (-4 to +158)			°C (°F)	
12	Maximum Coil Temperature	ature 130 (266)				°C (°F)
13	Bearing Type	Sintered Bronze Sleeve				
14	Insulation Resistance at 500 VDC	C 100.0			Mohms	
15	Dielectric Withstanding Voltage	650 for 2 seconds			VAC	
16	Weight	145 (5.1)			g (oz)	
17	eadwire AWG #26, UL 1430 (105°C, 300V)					
All Motor Data Values at 20°C Unless Otherwise Specified						

* Energize at Rated Current, 2 Phase On







