



Technical Specifications

Part Number	Unipolar		Bipolar	
	42M048C1U-N	42M048C2U-N	42M048C1B-N	42M048C2B-N
DC operating voltage	5	12	5	12
Resistance per winding (ohms)	9.1	52.4	9.1	52.4
Inductance per winding (mH)	8.1	51.7	16.7	85.7
Holding torque* (mNm / oz. in)	66.2/9.4		84.0/11.9	
Rotor moment of inertia (g.m ²)	12.5 x 10 ⁻⁴			
Detent torque (mNm / oz.-in)	12.7/1.8			
Step angle	7.5°			
Step angle tolerance*	± .5°			
Steps per revolution	48			
Maximum operating temperature	100°C			
Ambient temperature range				
operating	-20°C to 70°C			
storage	-40°C to 85°C			
Bearing type	sintered bronze sleeve			
Insulation resistance at 500Vdc	100 megohms			
Dielectric withstanding voltage	650 ± 50 VRMS 60 Hz for 2 seconds			
Weight (g/oz)	145/5.1			
Leadwires	26 AWG, UL Style 1430			

*Measured with 2 phases energized

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