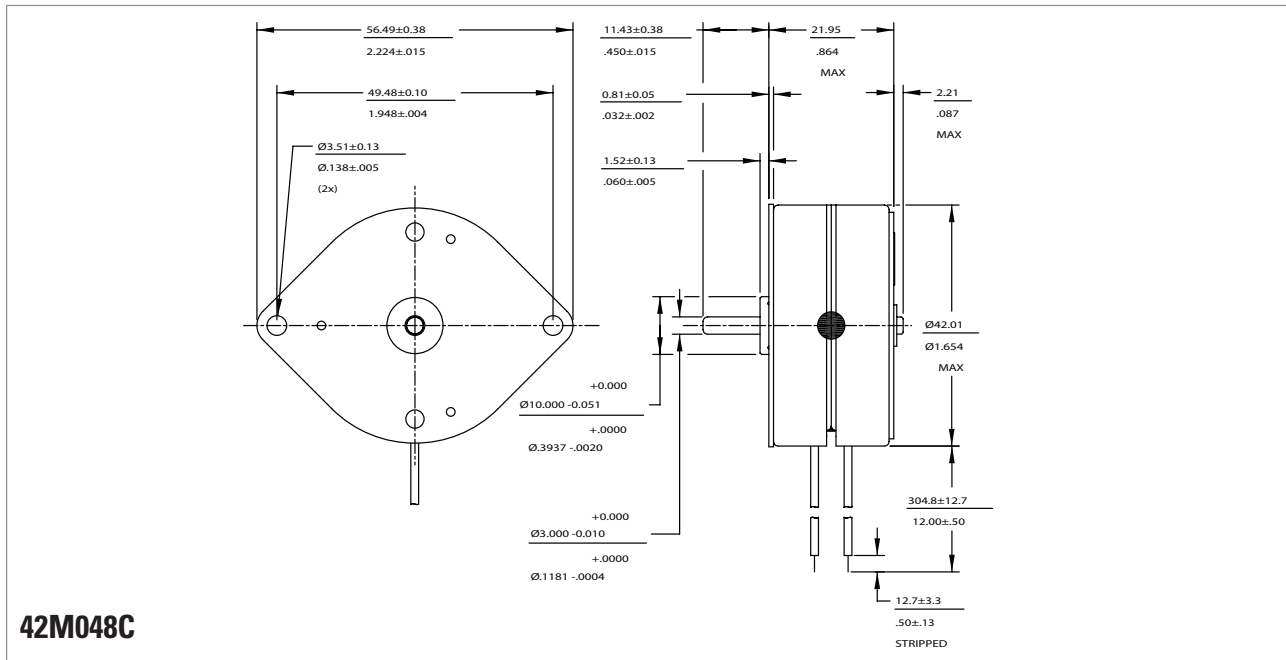


42M048C



42M048C

Technical Specifications

Part Number	Unipolar		Bipolar		
	42M048C1U	42M048C2U	42M048C1B	42M048C2B	
Rated voltage	(vdc)	5	12	5	12
Resistance per phase ± 10%	(ohms)	9.10	52.40	9.10	52.40
Inductance per phase, Typ	(mH)	8.10	51.70	16.70	85.70
Rated current per phase *	(amps)	0.55	0.23	0.55	0.23
Holding torque, min *	(oz-in / mNm)	9.4 / 66.2		11.9 / 84	
Step angle *	(degrees)	7.5 ± 0.5°			
Steps per revolution *		48			
Detent torque, max	(oz-in / mNm)	1.8 / 12.7			
Thermal resistance	(°C / watt)	N.A.			
Rotor moment of inertia	(oz-in-s ² / g-cm ²)	0.068 / 12.5			
Ambient temperature range					
Operating	(°C)	-20 ~ +70			
Storage	(°C)	-40 ~ +85			
Bearing type		Sintered Bronze Sleeve			
Insulation resistence at 500vdc	(vac)	100 megohms			
Dielectric withstanding voltage	(lbs / g)	650 for 2 seconds			
Weight		0.31875 / 145			
Shaft load ratings, max at 1500 rpm					
Radial	(lbs / kg)	1.124 / 0.509			
Axial	(lbs / kg)	0.337 / 0.153			
Leadwires		AWG 26, UL 1430			
Temperature class, max		B(130°C)			
RoHS		Compliant			

All motor data values at 25°C unless otherwise specified
* Energise at rated current, 2 phase on