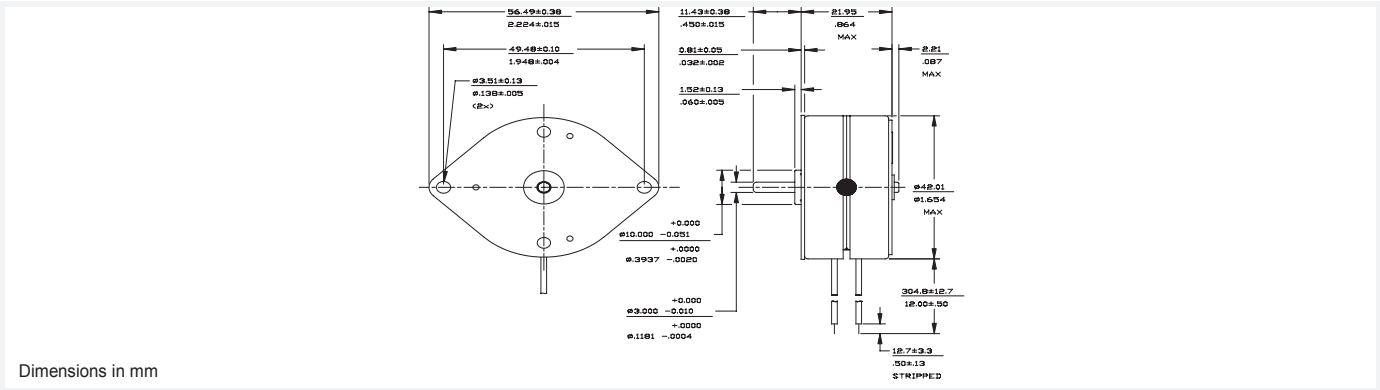


42M048C

RoHS Compliant

Ø42mm

83.8 mNm



42M048C

Electrical 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	A
Coil 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			130 (266)		°C (°F)
13 Bearing Type			Sintered Bronze Sleeve		
14 Insulation Resistance at 500 VDC			100.0		Mohms
15 Dielectric Withstanding Voltage			650 for 2 seconds		VAC
16 Weight			145 (5.1)		g (oz)
17 Leadwire			AWG #26, UL 1430 (105°C, 300V)		

All Motor Data Values at 20°C Unless Otherwise Specified

* Energize at Rated Current, 2 Phase On

