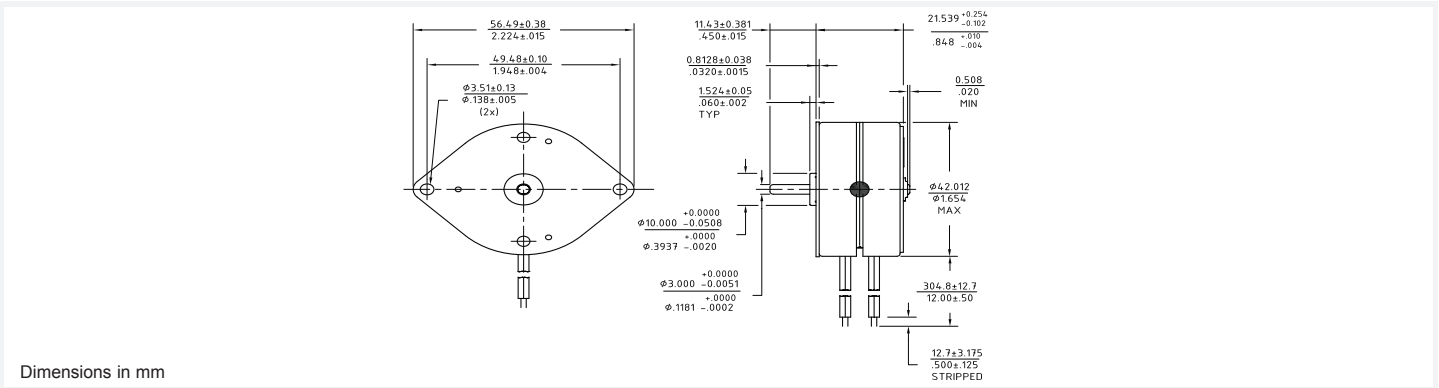


42M048D

RoHS Compliant

Ø42mm 202.8 mNm



42M048D

Electrical Data	42M048D1U Unipolar	42M048D2U Unipolar	42M048D1B Bipolar	42M048D2B 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	6.5	42.6	14.1	69.3	mH
4 Rated Current per Phase *	0.55	0.23	0.55	0.23	A
Coil independent parameters					
5 Holding Torque, MIN *	106.63 (15.1)	106.63 (15.1)	202.8 (28.72)	202.8 (28.72)	mNm (oz-in)
6 Detent Torque, Max		29.66 (4.2)			mNm (oz-in)
7 Rotor Inertia		9.5 (0.05195)			gcm ² (oz-in-s ²)
8 Step Angle		7.5			Degree
9 Absolute accuracy 2 ph. On, Full step		±0.5			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 VRMS for 2 seconds			VAC
16 Weight		144.58 (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

