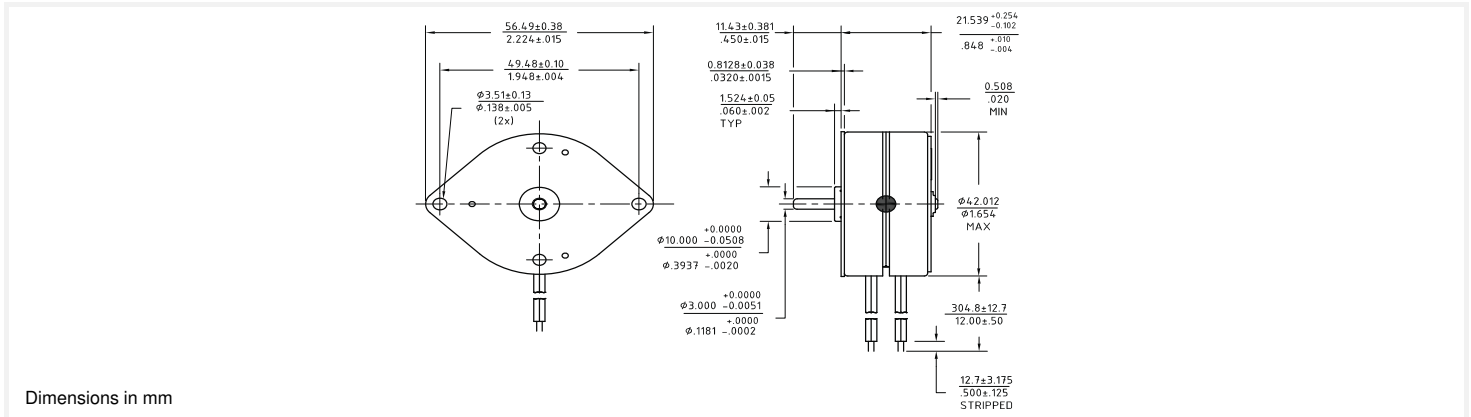


# Can Stack Stepper Motors

**42M048D**

RoHS Compliant

Ø42mm 114.4 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
<b>Coil independent parameters</b>					
5 Holding Torque, MIN *	101.7 (14.4)	101.7 (14.4)	114.4 (16.21)	114.4 (16.21)	mNm (oz-in)
6 Detent Torque, Max			29.66 (4.2)		mNm (oz-in)
7 Rotor Inertia			9.5 (0.05195)		gcm <sup>2</sup> (oz-in-s <sup>2</sup> )
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

