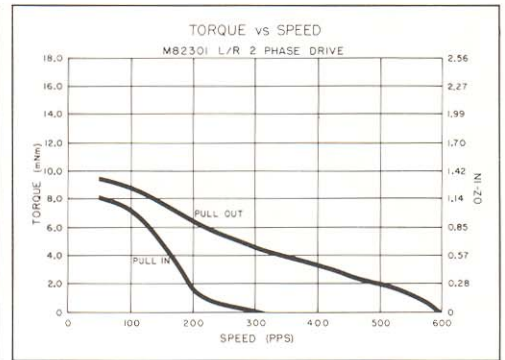
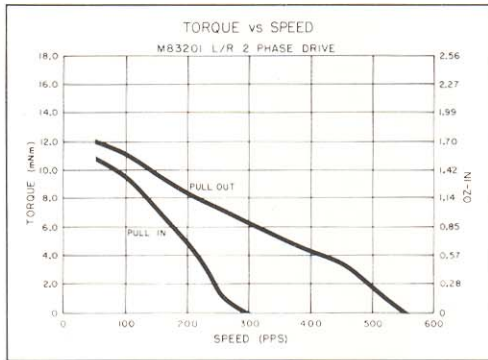
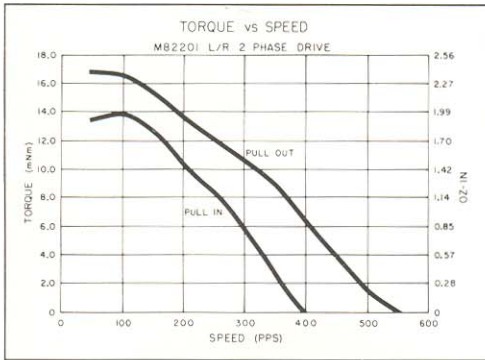
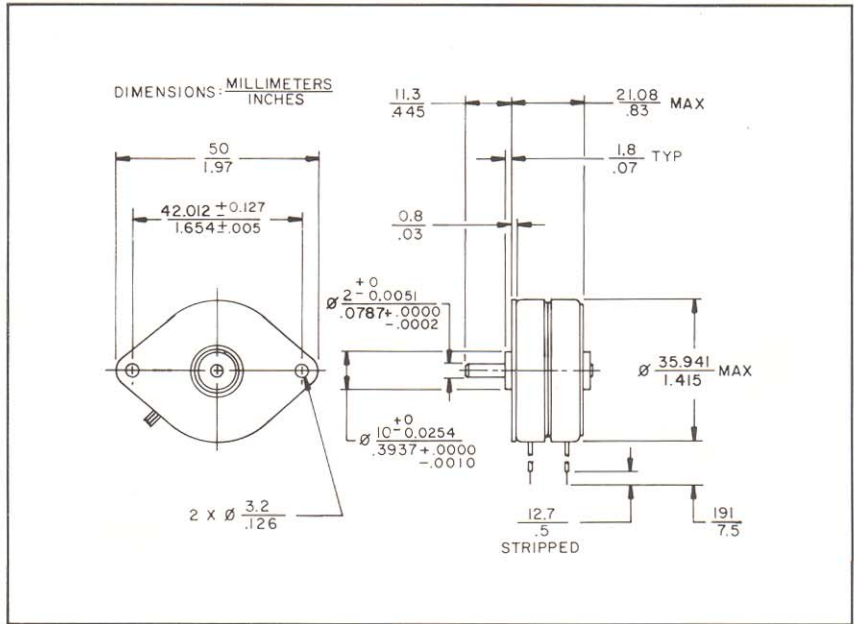


Series M82200, M82300 & M83200 Stepper Motors

Dimensions



Specifications

NOTE: Refer to page 7 for unipolar switching sequence.

Ordering Part No. (Add Suffix)	M82201		M82201		M82201	
	P1SB	- P2SB	P1SB	P2SB	P1SB	P2SB
DC Operating Voltage	5	12	5	12	5	12
Res. per Winding Ω	11	64	11	64	11	64
Ind. per Winding mH	7	38	7	34	7	33
Holding Torque mNm/oz-in*	27.5/3.9		21.1/3.0		17.7/2.5	
Rotor Moment of Inertia $g \cdot m^2$	4.0×10^{-4}		4.0×10^{-4}		4.0×10^{-4}	
Detent Torque mNm/oz-in	2.5/.36		2.5/.36		2.5/.36	
Step Angle	7.5°		15.0°		18.0°	
Step Angle Tolerance*	±.5°		±1°		±1.2°	
Steps per Rev.	48		24		20	
Max Operating Temp	100°C					
Ambient Temp Range	-20°C to 70°C					
Operating Storage	-40°C to 85°C					
Bearing Type**	Bronze sleeve					
Insulation Res. at 500Vdc	100 megohms					
Dielectric Withstanding Voltage	650 VRMS 60 Hz for 2 seconds					
Weight g/oz	88/3.1					
Lead Wires	26 AWG					

*Measured with 2 phases energized.

**Available with ball bearings, use suffix BB instead of SB. Example M82201-P1BB.