

55M048D Stepper motor

Features:

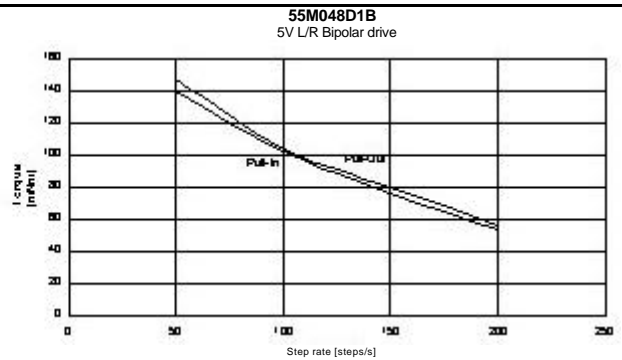
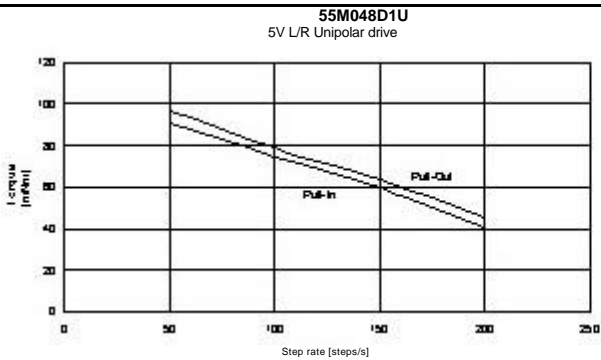
- 7.5° step angle (or 48 steps/rev)
- Permanently lubricated sintered bearings



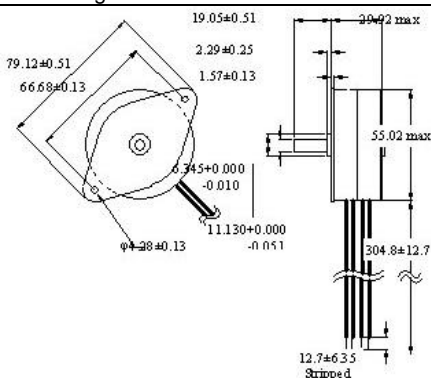
Motor data

Motor order number (add suffix)	1736-55M048D				
Coil Type	Unipolar		Bipolar		
SUFFIX	1U	2U	1B	2B	
DC Operating Voltage	5	12	5	12	Volts
Resistance per Phase (±10%)	5.2	30	5.2	30	Ohms
Inductance per Phase (±20%)	4.7	31.1	9.6	62.7	mH
Min. Holding Torque (2 Phases)	180	198	236.5	247.1	mNm
Max. Detent Torque	38.9				mNm
Input Power (2 Phases, typ)	9.6				Watts
Steps per Revolution	48				
Step Angle	7.5				Deg.
Step Angle Tolerance (2 Phases)	± 0.5				Deg.
Rotor Moment of Inertia	55.6				gcm ²
Max. Operating Temperature	100				°C
Ambient Operating Temperature	-20 to 70				°C
Ambient Storage Temperature	-40 to 85				°C
Insulation Resistance at 500VDC	100				MΩ
Dielectric Withstanding Voltage	650 ± 50 VRMS 50 Hz for 1 to 2 sec.				
Lead Wires	26 AWG UL1430 (105°, 300V)				
Bearing Type	Bronze Sleeve				
Lubrication	NYE 188B				
Weight	270				grams

Performance curve



Dimensional drawing



Electrical connection

