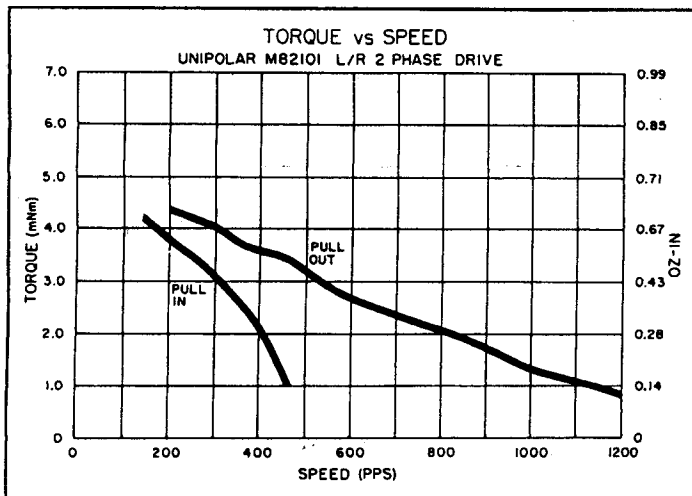
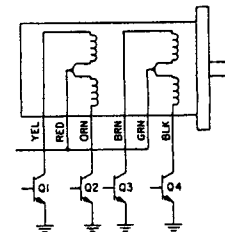


CAT# SMT-80

Ordering Part No. (Add Suffix)	M82101	
	Unipolar	
Suffix Designation	- P1	
DC Operating Voltage	5	
Res. per Winding Ω	19.6	
Ind. per Winding mH	5.3	
Holding Torque mNm/oz-in*	9.2/1.3	
Rotor Moment of Inertia $g \cdot m^2$	1.1×10^{-4}	
Detent Torque mNm/oz-in	0.85/0.12	
Step Angle	7.5°	
Step Angle Tolerance*	$\pm .5^\circ$	
Steps per Rev.	48	
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 max	
Dielectric Withstanding Voltage	650 \pm 50 VRMS 60 Hz for 1 to 2 seconds	
Weight g/oz	28 g/1 oz	
Lead Wires	28 AWG	



WIRING DIAGRAM



Unipolar

STEP	Q1	Q2	Q3	Q4
1	ON	OFF	ON	OFF
2	ON	OFF	OFF	ON
3	OFF	ON	OFF	ON
4	OFF	ON	ON	OFF
1	ON	OFF	ON	OFF

↓ CW ROTATION ↑ CCW ROTATION