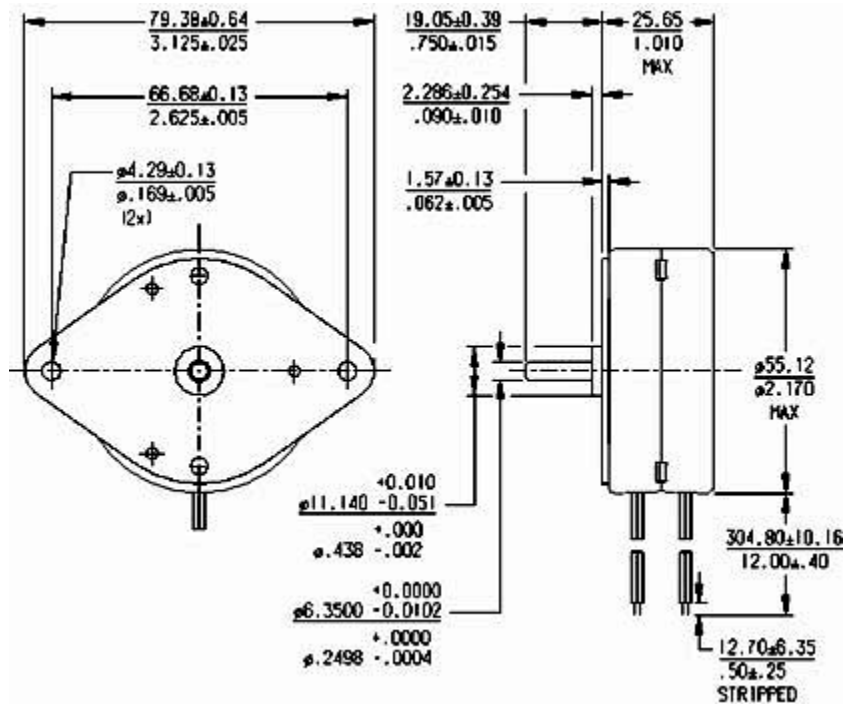




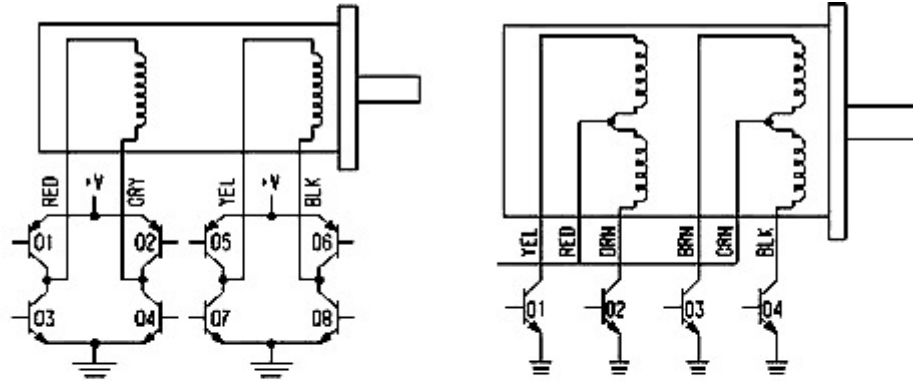
55M048D2U



Full View



Unipolar and Bipolar Wiring Schematic



BIPOLAR

STEP	01-04	02-03	05-08	06-07
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

CCW ROTATION (left arrow) CW ROTATION (right arrow)

UNIPOLAR

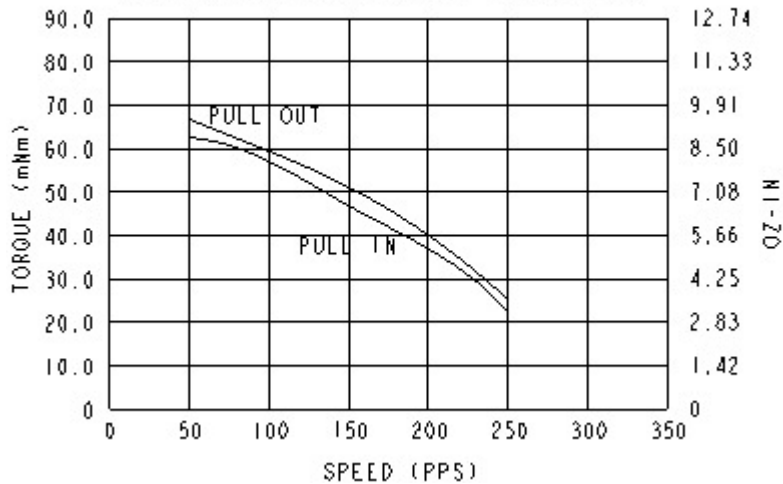
STEP	01	02	03	04
1	ON	OFF	ON	OFF
2	ON	OFF	OFF	ON
3	OFF	ON	OFF	ON
4	OFF	ON	ON	OFF
1	ON	OFF	ON	OFF

CCW ROTATION (left arrow) CW ROTATION (right arrow)

Speed Torque Curve

TORQUE VS SPEED

UNIPOLAR 55M048B2U L/R 2 PHASE DRIVE



PartNumber	55M048D2U
DC Operating Voltage	12
Res Per Winding (Ohms)	30
Ind per Winding mH	32.7
Holding Torque mN*m/oz-in	102.4/14.5
Rotor Moment of Inertia (g*m ²)	5.4E-3
Detent Torque mN*m/oz-in	22.6/3.2
Step Angle	7.5°

Steps per Rev	48
Max Operating Temp	100°C
Ambient Temp Range Operating	-20°C to 70°C
Ambient Temp Range Storage	-40°C to 85°C
Bearing Type	Sintered Bronze sleeve
Insulation Res at 500Vdc	100 megohms
Dielectric Withstanding Voltage	650 ± 50 VRMS 50 Hz for 1 to 2 seconds
Weight g/oz	238 g/8.4 oz
Lead Wires	26 AWG, UL 1430

*Measured with 2 phases energized

USA, Canada, or Mexico:

If you have any questions, contact us at:

Phone: 1-540-633-3400

Fax: 1-540-639-4162

Email: DMAC@danahermotion.com

Literature: litrequest@danahermotion.com

Or Write:

Danaher Motion
 203A West Rock Road
 Radford, VA 24141 USA