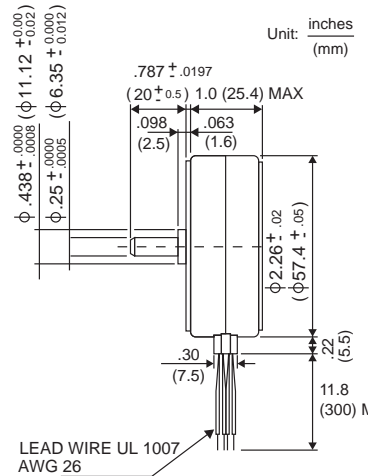
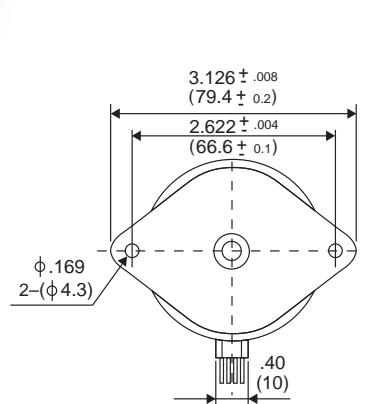


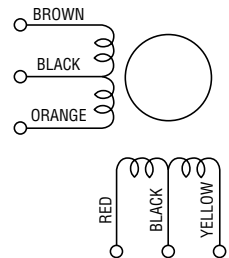
23BB-H 7.5° PERMANENT MAGNET



GENERAL SPECIFICATIONS

Step Angle 7.5°
 Step Angle Accuracy +/-0.5%
 Temperature Rise 80° C Max.
 Ambient Temperature Range -10° to +50° C
 Insulation Resistance 100MΩ Min., 500 VDC
 Dielectric Strength 500 VAC for 1 min.
 Radial Play 0.03 mm Max. (220 g-load)
 End Play 0.3 mm Max. (220 g-load)
 Switching Sequence See page 31

WINDING DIAGRAM

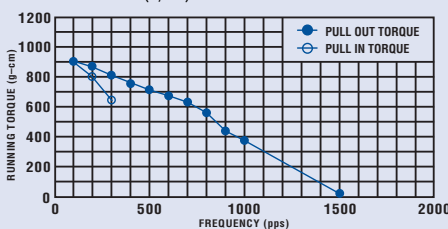


MODEL SPECIFICATIONS

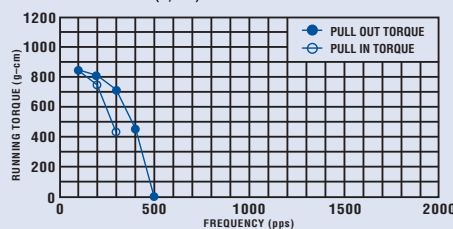
Model Number	Rated Voltage V	Rated Current/Phase A	Winding Resistance/Phase Ω	Holding Torque g-cm	Inductance mH	Rotor Inertia g-cm ²	Detent Torque g-cm	Weight g
Unipolar								
23BB-H251P	5.0	0.75	6.6	1,200	9.0	30.0	150	280
23BB-H252P	12.0	0.34	36.0	1,200	32.0	30.0	150	280
Bipolar								
23BB-H246P	4.9	0.75	6.5	1,400	17.0	30.0	150	280

TORQUE/SPEED CHARACTERISTICS

Model: 23BB-H251P
 Driver: Unipolar Chopper Dual
 Supply Voltage: 24.0 (Volt)
 Drive Current: 0.75 (A/PH)



Model: 23BB-H252P
 Driver: Unipolar Chopper Dual
 Supply Voltage: 24.0 (Volt)
 Drive Current: 0.32 (A/PH)



Model: 23BB-H246P
 Driver: Bipolar Chopper Dual
 Supply Voltage: 24.0 (Volt)
 Drive Current: 0.75 (A/PH)

