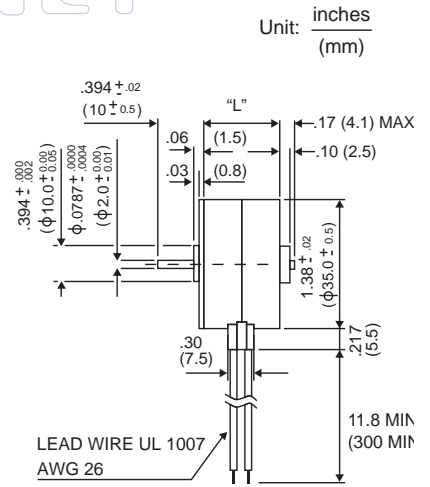
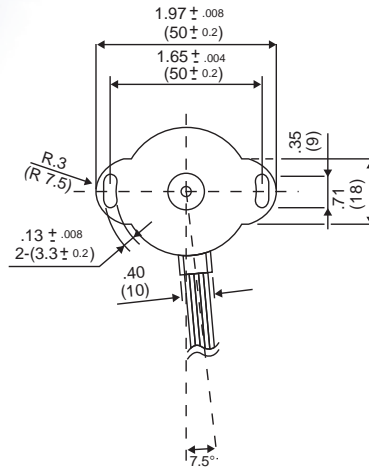


# 15BB-H 7.5° PERMANENT MAGNET



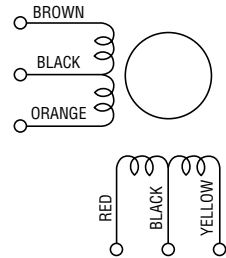
Unit: inches  
(mm)

P/N	"L"
15BB-H0XX	.867 (20)
15BB-H1XX	.591 (15)

## 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. (100 g-load)  
 End Play ..... 0.3 mm Max. (100 g-load)  
 Switching Sequence ..... See page 31

## WINDING DIAGRAM

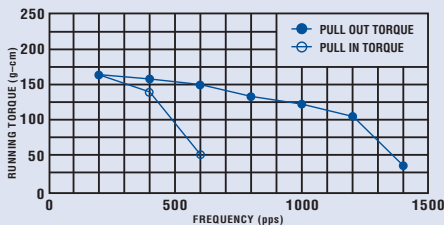


## MODEL SPECIFICATIONS

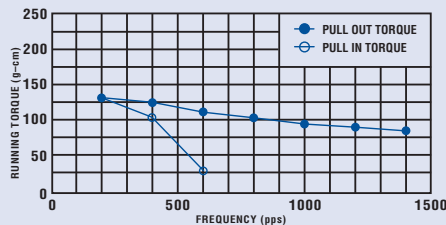
Model Number	Rated Voltage V	Rated Current/ Phase A	Winding Resistance/ Phase Ω	Holding Torque g-cm	Inductance mH	Rotor Inertia g-cm <sup>2</sup>	Detent Torque g-cm	Weight g
<b>Unipolar</b>								
15BB-H051P	8.0	0.23	35.0	165	27.0	4.0	30	100
15BB-H073P	4.0	0.40	10.0	155	6.7	4.0	30	100
15BB-H170P	6.6	0.22	30.0	190	17.0	1.5	35	65
<b>Bipolar</b>								
15BB-H043P	2.0	0.80	2.5	205	4.5	4.0	30	100

## TORQUE/SPEED CHARACTERISTICS

**Model: 15BB-H051P**  
 Driver: Unipolar Chopper Dual  
 Supply Voltage: 24.0 (Volt)  
 Drive Current: 0.23 (A/PH)



**Model: 15BB-H170P**  
 Driver: Unipolar Chopper Dual  
 Supply Voltage: 24.0 (Volt)  
 Drive Current: 0.22 (A/PH)



**Model: 15BB-H043P**  
 Driver: Bipolar Chopper Dual  
 Supply Voltage: 24.0 (Volt)  
 Drive Current: 0.80 (A/PH)

