

■ 总体说明

- 绝缘强度: 500VAC
- 绝缘电阻: 100MΩ (500VDC)
- 绝缘类型: B type
- 径向负载: 28N
- 轴向负载: 10N
- \* 负载点在从轴末端起的 1/3 处



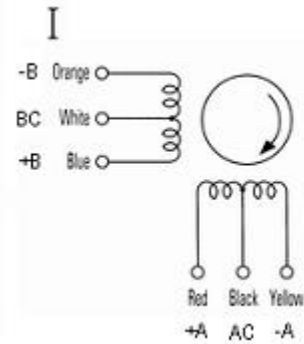
■ 电气规格 (单极线圈)

型号	轴数	步距角 (°)	额定电压 (V)	相电流 (A/phase)	相电阻 (Ω/phase)	相电感 (mH/phase)	保持转矩 N.m(kgf.cm)	转子惯量 (×10 <sup>-4</sup> kg.m <sup>2</sup> )	重量 (Kg)	接线方式
103H546-0440(0410)	单轴 (双轴)	1.8	3.15	1	3.15	2.8	0.147(1.5)	0.03	0.2	I
103H548-0440(0410)			3.6	1.2	3	4.3	0.265(2.7)	0.053	0.28	
103H549-0440(0410)			3.96	1.2	3.3	3.8	0.315(3.2)	0.065	0.35	

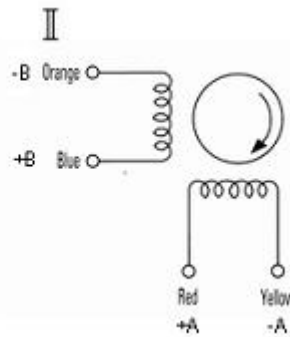
■ 电气规格 (双极线圈)

型号	轴数	步距角 (°)	额定电压 (V)	额定电流 (A/phase)	相电阻 (Ω/phase)	相电感 (mH/phase)	保持转矩 N.m(kgf.cm)	转子惯量 (×10 <sup>-4</sup> kg.m <sup>2</sup> )	重量 (Kg)	接线方式
103H546-5040(5010)	单轴 (双轴)	1.8	3.15	2	0.6	0.7	0.147(1.5)	0.03	0.2	II
103H548-5040(5010)			3.6	2	0.8	1.5	0.265(2.7)	0.053	0.28	

■ 电机内部接线及旋转方向 (从安装基座处看)



		Color of lead				
		Black and white	Red	Blue	Yellow	Orange
Step	1	⊕	⊖	⊖		
	2	⊕		⊖	⊖	
	3	⊕			⊖	⊖
	4	⊕	⊖			⊖



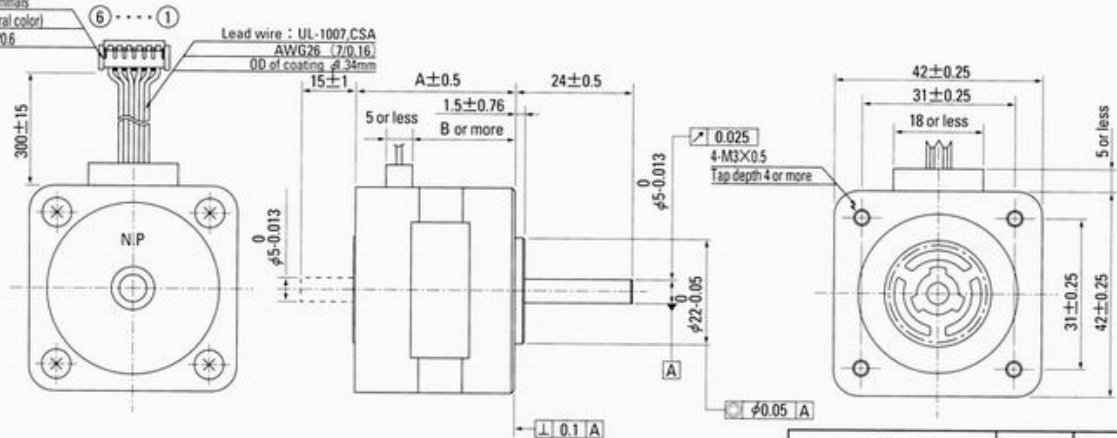
		Color of lead			
		Red	Blue	Yellow	Orange
Step	1	⊖	⊖	⊕	⊕
	2	⊕	⊖	⊖	⊕
	3	⊕	⊕	⊖	⊖
	4	⊖	⊕	⊕	⊖

■ 尺寸图

## Dimension (unipolar windings) [unit:mm]

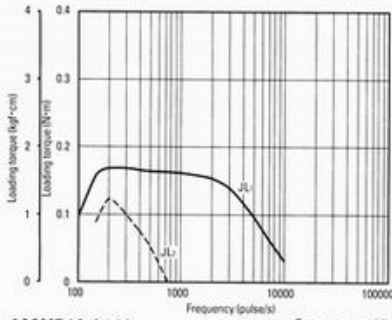
Manufacturer: Japan Solderless Terminals  
 Housing: FHR-8 (natural color)  
 Terminal: SEH-001T-P0.6  
 Lead wire: UL-1007.CSA  
 AWG26 (7/0.16)  
 OD of coating:  $\phi 0.24$ mm

Pin No.	Lead wire
1	Blue
2	Yellow
3	White
4	Black
5	Orange
6	Red



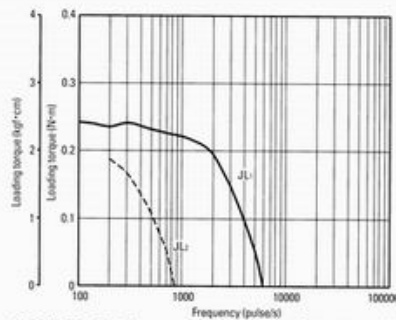
\*The bipolar windings consist only of lead wires.

## Frequency-torque characteristics (2-phase excitation drive)



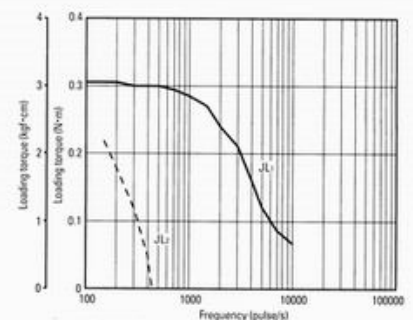
103H546-0440

— : Getaway torque (JL<sub>1</sub>)  
 - - - : Starting torque (JL<sub>2</sub>)  
 Drive circuit = SLA-7026M  
 E = 24V  
 JL<sub>1</sub> =  $0.33 \times 10^{-4}$  kg·m<sup>2</sup>  
 JL<sub>2</sub> =  $0.175 \times 10^{-4}$  kg·m<sup>2</sup>



103H548-0440

— : Getaway torque (JL<sub>1</sub>)  
 - - - : Starting torque (JL<sub>2</sub>)  
 Drive circuit = SLA-7026M  
 E = 24V  
 JL<sub>1</sub> =  $0.94 \times 10^{-4}$  kg·m<sup>2</sup>  
 JL<sub>2</sub> =  $0.2 \times 10^{-4}$  kg·m<sup>2</sup>



103H549-0440

— : Getaway torque (JL<sub>1</sub>)  
 - - - : Starting torque (JL<sub>2</sub>)  
 Drive circuit = SLA-7026M  
 E = 24V  
 JL<sub>1</sub> =  $0.94 \times 10^{-4}$  kg·m<sup>2</sup>  
 JL<sub>2</sub> =  $0.2 \times 10^{-4}$  kg·m<sup>2</sup>

\*The measured current is based on the specification.