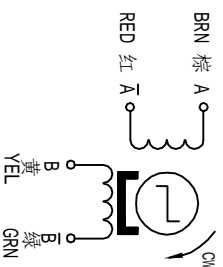
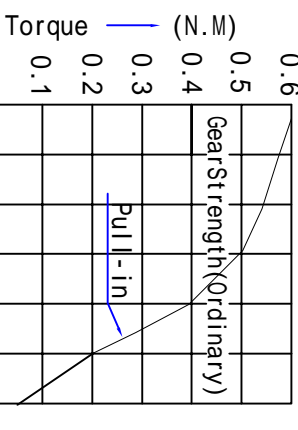


PM STEPPING MOTOR MOD.55BY48BJ20A

□ 接线图 COLOURS OF LEAD WIRES



dynamic torque characteristics
(pull-in, calculate (no load))



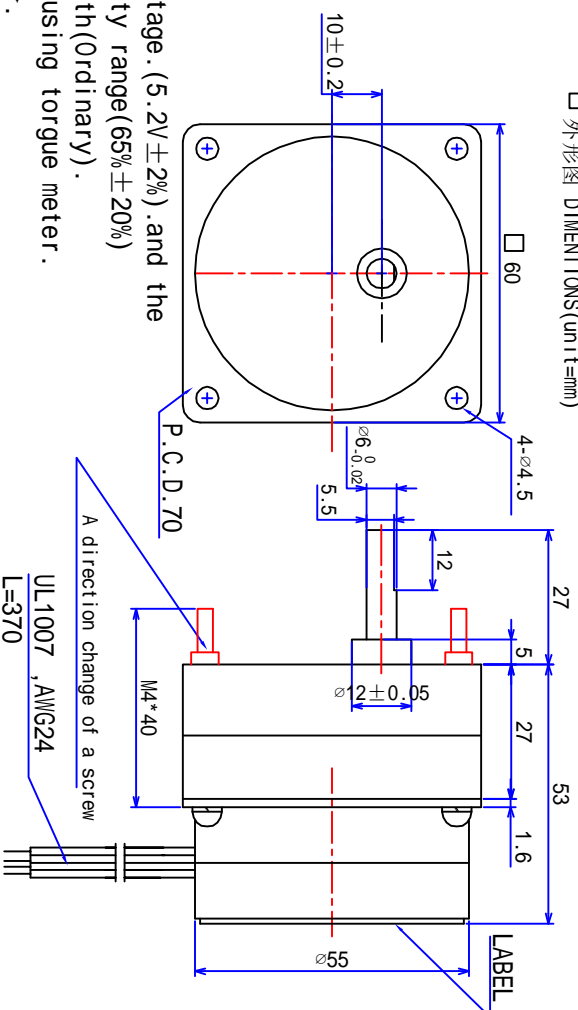
Direction of rotation viewed from shaft

NO	I	II
1	+	+
2	-	+
3	-	-
4	+	-

Remarks

- No. 10 to 14 are tested at the terminal voltage. (5.2V±2%) and the environment is normal temp(20°C±5°C), humidity range(65%±20%)
- No. 14 is a value restricted by Gear Strength(Ordinary).
- No. 14 Dynamic Torque characs are value by using torque meter.
- Test D.U. is BL-210 24V 0.5A/PHASE 2细分.

□ 外形图 DIMENSIONS (unit=mm)



□ 性能参数 SPECIFICATIONS

Number of Phase	2(PM Type)	COMMENT
Excitation Mode	2-2 Bipolar	
Step Angle	7.5°/20	
Step Per Revolution	960	
Operation Temp Range	-10 °C ~ +55 °C	
Dielectric Strength	AC500 V (1 min)	
Insulation Res.	100 MΩ (DC500V)	
Insulation Class	F	
Res. Per Winding	6.75 Ω ± 7%	
Current	0.5 A	
Ind. Per Winding	12 mH (1Vrms, 1KHz)	
Pull-in Rate	1200 pps	
Pull-out Rate	1300 pps	
Pull-in Torque(5V)	80N.cm (600pps)	
Gear Strength A	0.6 N.m (Ordinary)	
Gear Strength B	1.5 N.m (Destruction)	
Gear Ratio Backlash	1/20, 3° (Max)	
Temp Rise(Res. Method)	55 K(0pps)	
Mass	520 g	
Ambient Temp Range	-30 °C ~ +80 °C	
Operating Humidity	RH85% (Non Dewdrop)	
Shaft gap	≤ 0.5	

Note

- Tolerance: ±0.5, ±5°
- However, it should be noted that indicates dimension where the shaft being pressed toward motor-side.
- End Play : 0.5max.
- Radial Play: 0.1max.
- This motor is ROHS compliant.

常州宝来电器有限公司

田底图编号
底图总号
日期
签名

设计	101108	标准	设计	审核	工艺	阶段	重量	比例
设计	101108	标准	设计	审核	工艺	共 1 张	第 1 张	
常州宝来电器有限公司 Tel : 0519-88372126 Fax : 0519-88372780								