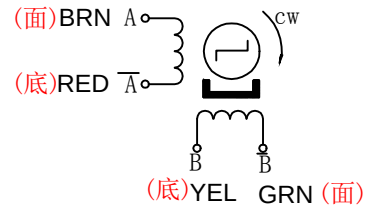
PM STEPPING MOTOR MOD.55BY48BJ10A

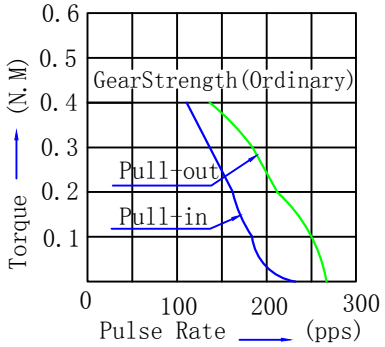
□ 接线图 COLOURS OF LEAD WIRES



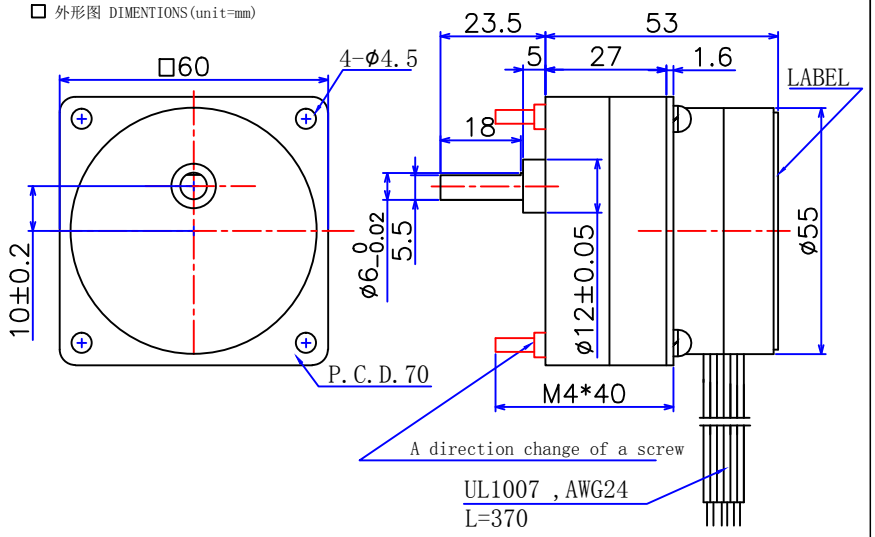
Direction of rotation viewed from shaft

NO	I	II
1	+	+
2	−	+
3	−	−
4	+	−

dynamic torgue characteristics (pull-in, colculate(no load))



□ 外形图 DIMENTIONS(unit=mm)



remarks

1. No.10 to 14 are tested at the terminal voltage.(5.2V±2%).and the environment is normal temp(20℃±5℃).humidity range(65%±20%)
2. No.14 is a value restricted by Gear Strength(Ordinary).
3. No.14.Dynamic Torgue characs are value by using torgue meter.
4. Test D.U.is BL-210 36V 0.5A/PHASE 2细分

□ 性能参数 SPECIFICATIONS

1	Number of Phase	2 (PM Type)	COMMENT
2	Excitation Mode	2-2 Bipolar	
3	Step Angle	7.5° /20	
4	Step Per Revolution	480	
5	Operation Temp Range	-10℃≤+50℃	
6	Dielectric Strength	AC500V (1 min)	
7	Insulation Res.	100MΩ (DC500V)	
8	Insulation Class	E	
9	Max.Operating Temp	+100℃(atthe case)	
10	Res.Per Winding	6.75Ω±7%	
11	Ind.Per Winding	12mH (1Vrms.1KHz)	
12	Starting Pulse Rate	150pps (No Load)	
13	Holding Torgue(5V)	0.4N.m(Average)	
14	Gear Strength A	0.4N.m (Ordnary)	
15	Gear Strength B	1.2N.m(Destruction)	
16	Gear Ratio Backiash	1/10,3° (Max)	
17	Temp Rise(Res.Mathod)	55K(Opps)	
18	Mass	520g	
19	Ambient Temp Range	See NO.9(Operation)	
20	Operating Humidity	RH85%(Non Dewdrop)	
21	Ambient Temp.Range	-30℃≤+80℃	

Note

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

								常州宝来电器有限公司
标记	处数	分区	更改文件号	签名	年.月.日			
设计		150824	标准化			阶段标记	重量	比例
								1:1
审核						共1 张	第1 张	
工艺			批准					

Tel: 0519-88372126
Fax: 0519-88372780

旧底图总号

底图总号

日期 | 签名

格式(1)

制图: 描图: 幅面: 3 #