

深圳市亚特联科技有限公司

电机型号(Model):

YJSDJ-12FN20-210-3.785

样品单号(Sample Code):

OG-200723095

日期(Date):

2020-08-03

额定电压 V
Rated Voltage

3.7

使用环境温度范围 °C
Operating Condition
Temperature Range

-10~+60

空载转速 rpm
Noload speed

85±10%

空载电流 mA
Free-load Current

≤104

负载转矩 Kgf·cm
Rated Torque

0.27

负载转速 rpm
Onload speed

77±10%

负载电流 mA
Roted Current

≤203

堵转电流 A
Stall Current

≤1.6

堵转力矩 Kgf·cm
Stall Torque

≥1.8

旋向 CW/CCW
Direction

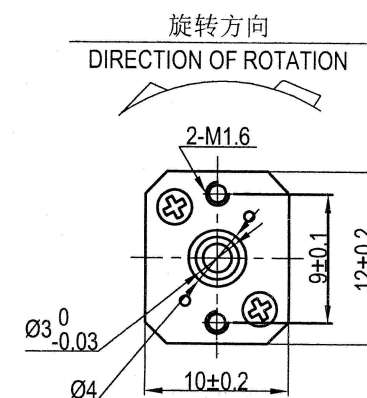
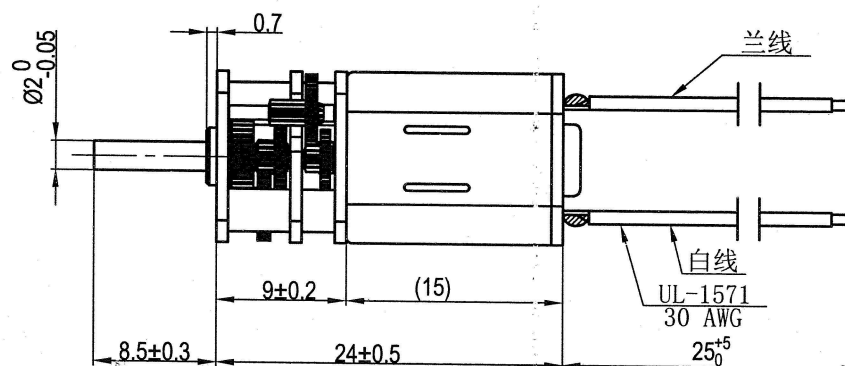
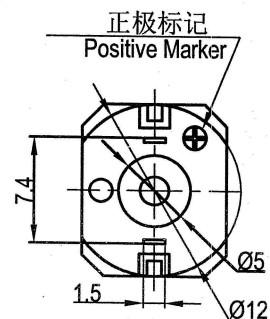
CCW

噪音 dBA
Noise (L=300mm)

55 (Max)

轴向间隙 mm
Axial gap

0.02~0.3



外形图
outside drawing

客户确认
Confirmation Approved

制订:
Formulate

洪生

审核:
Audit

批准:
Approved

Unit

mm

Size

A4

Version

A0

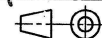
Scale

2:1

Phase marker

S

Page



2020.8.4

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样品测试报告

Sample Test Report

产品型号 Product model	样品数量 Sample quantity	样品单号 Sample report number	测试日期 Test date
YJSDJ-12FN20-210-3.785	3	OG-200723095	2020-08-03

1. 电气检查, 确保电源正确设置

Electrical test, power setting confirmation

项目 Content	标准 Standard	测试电压 Measure voltage:3.7VDC				负载力矩 Load torque (Kgf·cm)					0.27	
		1	2	3	4	5	6	7	8	9	10	AVG
起动电压 Start voltage	≤0.6V	0.3	0.3	0.4								0.3
空载电流 Noload current	≤104mA	48	54	55								52
空载转速 Noload speed	85±10% rpm	85.1	85.2	84.3								84.9
负载电流 Onload current	≤203mA	130	138	136								135
负载转速 Onload speed	77±10% rpm	77.1	77.4	77.2								77.2
起动力矩 Start torque	≥1.8Kgf·cm	2.3	2.4	2.3								2.3
旋转方向 Direction of rotation	CCW	CCW	CCW	CCW								CCW
噪声 Noise	55dBA Max	OK	OK	OK								OK

2. 尺寸测量

Size measurement (mm)

项目 Content	标准 Standard	量具 Measurement tool	记录 Record									
			1	2	3	4	5	6	7	8	9	AVG
轴伸 Out length of shaft	8.5±0.2	A	8.53	8.54	8.49							8.52
轴向间隙 Axial gap	0.02~0.3	G	0.09	0.06	0.08							0.08
轴径 Shaft diameter	φ2 [0, -0.03]	C	1.98	1.98	1.98							1.98
齿轮箱长度 Gearbox length	12±0.2	A	11.94	11.95	11.94							11.94
齿轮箱宽度 Gearbox width	10±0.2	A	9.94	9.94	9.95							9.94
齿轮箱高度 Gearbox height	9±0.2	A	8.99	8.97	8.97							8.98

3. 外观及包装检查Inspection of appearance and packaging

项目 Content	结果 Result	项目 Content	结果 Result
客户安装孔 (2-M1.6) Customer mounting hole	■ OK □ NG	正极标识 Positive marking	■ OK □ NG
齿轮箱连接紧固 Gear box connection situation	■ OK □ NG	焊线正确 Wire welding check	■ OK □ NG
电机连接位置正确 Motor connection location	■ OK □ NG	整体外观 Appearance	■ OK □ NG
铭牌 Marking	□ OK □ NG	包装 Packaging	■ OK □ NG
电机后盖铆点 Motor endcap crimp	■ OK □ NG	其它 Others	■ OK □ NG
备注 Remark:	扁位陷入轴承	综合判定 Comprehensive determination:	■ OK □ NG

量具代号Measurement tool code :

A:游标卡尺vernier caliper; B: 百分表dial indicator; C: 千分尺micrometer; D: speed gauge转速计; E:电流表 ammeter;
F:塞规 plug gauge; G:高度计 altimeter

审核Approval:

检验Check:

制表Design: 洪生