

FOSHAN SHUNDE YINGFUDA MICRO MOTOR CO.,LTD

MOTOR OUTGOING SPECIFICATION

Model No. :YFD550M-N07261-76

REV : A0

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1. 马达类型: 微型直流马达
2. 标准测试条件:
- 2-1 额定电压: 18.0V DC 向马达正负极端子输入的电压.
- 2-2 旋转方向: CW 从马达输出轴端视.
3. 测试条件:
- 3-1 马达放置状态: 马达水平放置.
- 3-2 测试电源: 确保测试没问题的稳压电源
- 3-3 环境温度与湿度: 一般在 15~35℃及相对湿度 75%的环境下测试
4. 电气特性(启动 30 秒后测试):
- 4-1 空载电流: 0.11A max.
- 4-2 空载转速: 2970±10% rpm.
- 4-3 始动电压: 2.0Vmax
- 4-4 负载电流: 0.17±12%A .
- 4-5 负载转速: 2830±10% rpm.
- 4-6 测试负载: size30x80mm 的一字风叶(大约 28.5 g-cm.)
- 4-7 性能曲线: 看马达性能曲线图
5. 机械特性:
- 5-1 外形: 看马达外形图
- 5-2 虚位: 0.05~0.5 mm
- 5-3 轴突端跳动: 0.05 mm max.
6. 绝缘等级: B 级的一字风叶(大约

CONFIRMED & ACCEPTED BY CUSTOMER

COMPANY , CHOP & SIGNATURE

DATE :

PREPARED BY:YWjiang27/7-22 CHECKED BY: APPROVED BY:

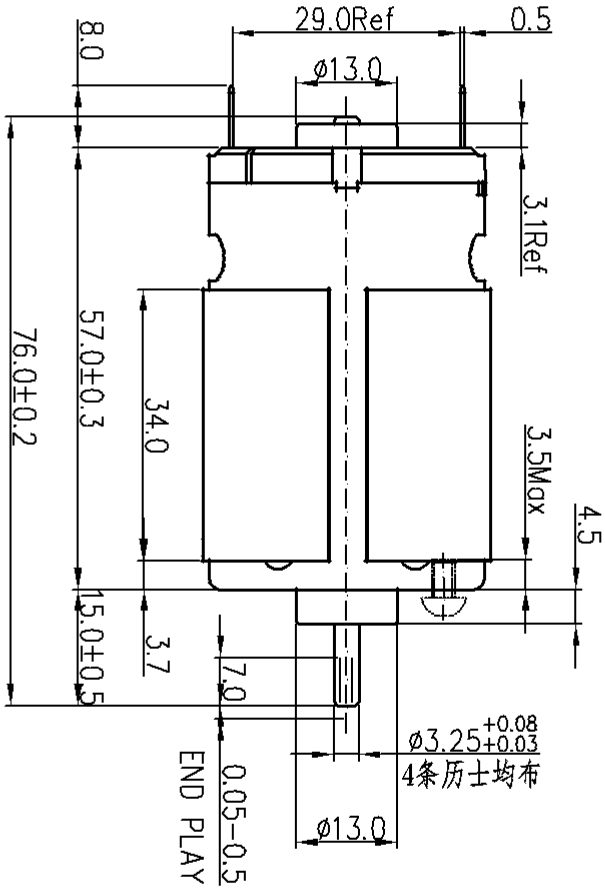
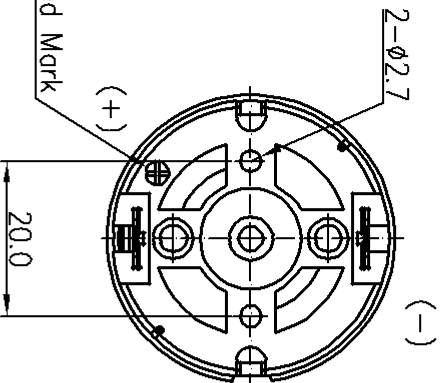
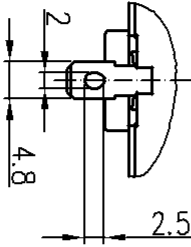
A B C D E F G H

REMARKS:

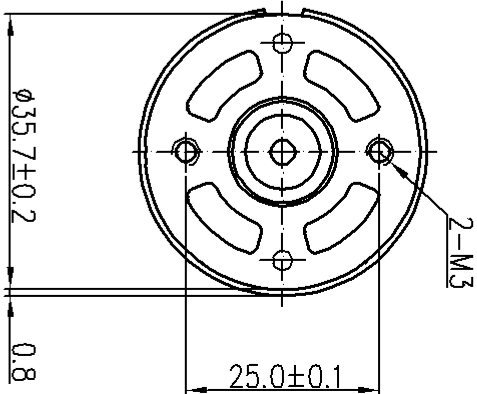
- 1) WHEN PRESS FITTING A GEAR/PULLEY OR ANYTHING ALIKE ONTO MOTOR OUTPUT SHAFT, DO PUSH THE OTHER SHAFT END VERTICALLY, DON'T PUSH THE REAR BRACKET
- 2) SOLDERING TEMPERATURE AND TIME MUST BE 360°(3SEC) OR 400°(2SEC).
- 3) MEASURING THE DIMENSION OF THE SHAFT EXTENSION WHEN THE OTHER END OF THE SHAFT IS AGAINST THE REAR BRACKET END.

SERIAL NO :

ISSUE NO :



DIRECTION OF ROTATION



CONFIRMED & ACCEPTED BY CUSTOMER
Company, Chop & Signature

TITLE: MOTOR OUTLINE

PART NO: YFD550M-N07261-76

YingFuDa Micro Motor

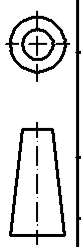
DES'D YWjiang27/7-22

CHK'D

APP'D

SCALE 1:1

REV A0



TIME

WAS

DATE

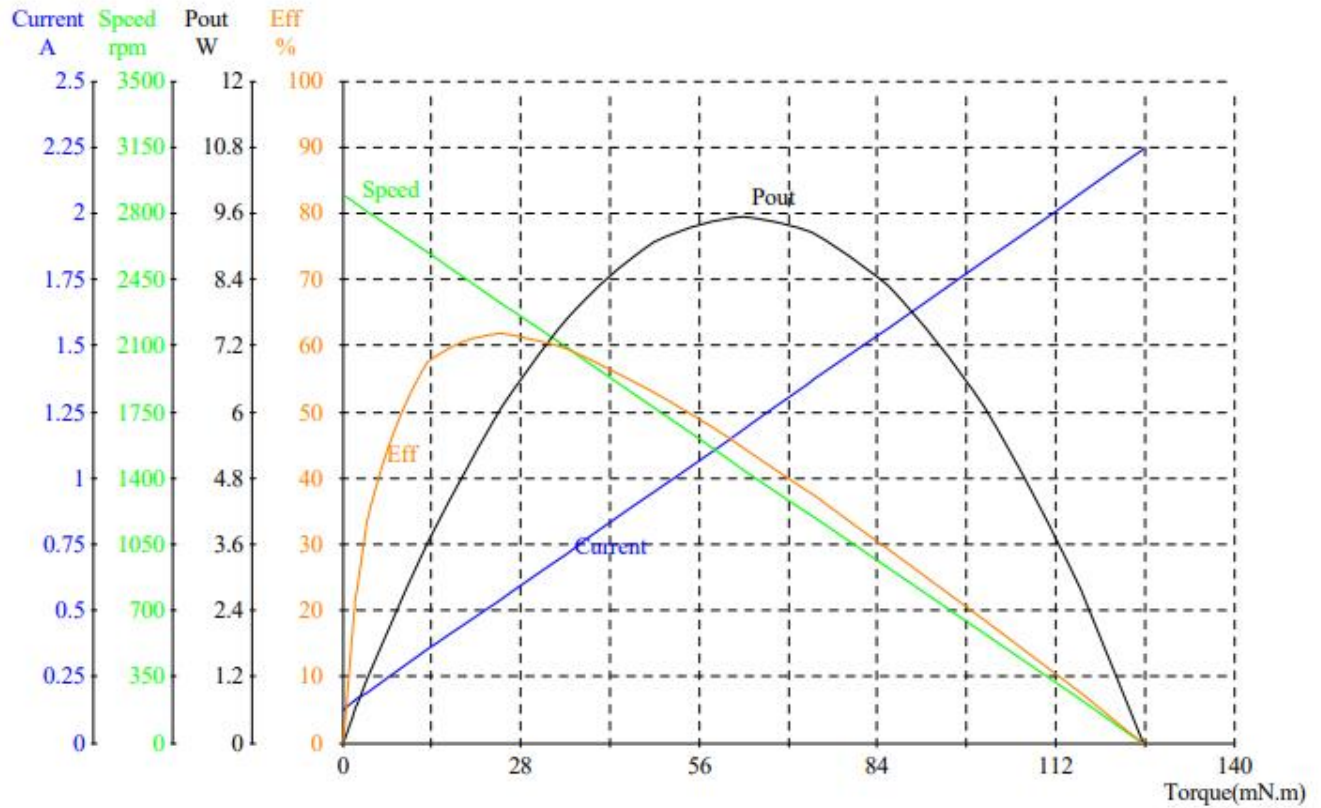
DES'D

APP'D

DATE:

Motor performance curves and characteristics:

Customer:	Voltage: 18.0V
Motor Type: YFD550M-N07261-76	Tester: 001
Number: 202207270006	Test Data: 2022.07.27



State	Voltage	Current	Pin	Torque	Speed	Pout	Eff
	V	A	W	mN. m	rpm	W	%
No_Load	18.04	0.152	2.744	1.7	2866	0.510	18.6
Rated							
Eff_max	18.05	0.865	15.61	44.0	1885	8.675	55.6
End	18.04	1.609	28.98	85.7	915	8.208	28.3

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Tester: 001
Test Data: 2022.07.27

	Voltage	Current	Pin	Torque	Speed	Pout	Eff
Number	V	A	W	mN.m	rpm	W	%
1	18.04	0.126	2.268	0.0	2899	0.000	0.0
2	18.04	0.154	2.783	1.7	2860	0.509	18.3
3	18.04	0.154	2.783	1.7	2860	0.509	18.3
4	18.04	0.154	2.783	1.7	2860	0.509	18.3
5	18.04	0.156	2.813	1.8	2858	0.539	19.1
6	18.04	0.158	2.844	1.9	2856	0.568	20.0
7	18.04	0.161	2.904	2.1	2851	0.627	21.6
8	18.04	0.166	2.995	2.4	2844	0.715	23.9
9	18.04	0.173	3.117	2.8	2835	0.831	26.7
10	18.04	0.191	3.450	3.9	2810	1.147	33.3
11	18.04	0.220	3.966	5.6	2770	1.624	41.0
12	18.04	0.275	4.966	8.9	2694	2.511	50.6
13	18.04	0.351	6.330	13.4	2590	3.634	57.4
14	18.04	0.435	7.856	18.4	2475	4.775	60.8
15	18.04	0.457	8.241	19.7	2445	5.044	61.2
16	18.05	0.541	9.767	24.7	2329	6.031	61.8
17	18.05	0.578	10.42	26.9	2279	6.419	61.6
18	18.05	0.662	11.95	31.9	2163	7.232	60.5
19	18.05	0.714	12.88	35.0	2092	7.668	59.5
20	18.05	0.798	14.41	40.0	1977	8.284	57.5
21	18.05	0.865	15.61	44.0	1885	8.684	55.6
22	18.05	0.950	17.14	49.0	1769	9.081	53.0
23	18.05	1.031	18.62	53.9	1657	9.350	50.2
24	18.05	1.116	20.15	58.9	1541	9.507	47.2
25	18.05	1.186	21.41	63.1	1445	9.544	44.6
26	18.06	1.270	22.94	68.1	1329	9.478	41.3
27	18.06	1.355	24.47	73.2	1213	9.289	38.0
28	18.06	1.372	24.78	74.2	1189	9.235	37.3
29	18.06	1.457	26.31	79.2	1073	8.899	33.8
30	18.06	1.541	27.84	84.3	957	8.441	30.3
31	18.06	1.566	28.28	85.7	924	8.287	29.3
32	18.06	1.650	29.80	90.7	808	7.672	25.7
33	18.06	1.735	31.33	95.8	692	6.934	22.1
34	18.06	1.819	32.86	100.8	576	6.074	18.5
35	18.06	1.904	34.39	105.8	459	5.091	14.8
36	18.07	1.988	35.92	110.9	343	3.986	11.1
37	18.07	2.073	37.45	115.9	227	2.759	7.4
38	18.07	2.158	38.98	120.9	111	1.410	3.6
39	18.07	2.239	40.45	125.8	0	0.000	0.0