

符合RoHS指令要求  
CONFORM TO RoHS INSTRUCTIONS

22 ± 0.5

150 ± 1

Ø8<sup>0</sup><sub>-0.013</sub>

7.5 ± 0.1

15

1.5

7.2

Ø38.1<sup>0</sup><sub>-0.05</sub>

15

7.2

线长: 500 ± 10 (4\*1mm)

线长: 300 ± 10 (4\*1mm)

BINDER PLUG

线长500 ± 10

DB-15P公头

线长300 ± 10

C

□60

47.14 ± 0.1

47.14 ± 0.1

4-Ø5

C向

PIN15

PIN11

PIN5

PIN1

BINDER PLUG:

6

6

6

6

6

6

接线图/WIRING DIAGRAM

红 A+  
RED

蓝 A-  
BLUE

B+ 绿  
GREEN

B- 黑  
BLACK

M

电机特性参数/ELECTRICAL PARAMETER

步 距 角/STEP ANGLE	1.8° ± 5%
相 数/NO. OF PHASES	2
额定电压/RATED VOLTAGE	2.5V
额定电流/RATED CURRENT	5.0A
电 阻/RESISTANCE	0.5ohm ± 10% AT 25℃
电 感/INDUCTANCE	2.22mH ± 20% AT 1kHz, 1Vrms
保持力矩/HOLDING TORQUE	3.0N.m
运行力矩/(AT —PPS) RUNNING TORQUE (AT —PPS)	——以上/MIN (——V.DC, ——A/相(PHASE), ——相励磁/EX)
绝缘耐压/DIELECTRIC STRENGTH	500V A.C 1分钟/MINUTE
绝缘电阻/INSULATION RESISTANCE	100MΩ 以上/MIN.
绝缘等级/INSULATION CLASS	CLASS B
温度上升/TEMPERATURE RISE	80K MAX.
转子惯量/ROTOR INERTIA	690g.cm²
重 量/WEIGHT	约/APPROX. 2000克/g
允许轴向负载/ALLOWABLE THRUST LOAD	5N
允许径向负载/ALLOWABLE RADIAL LOAD	30N(轴端/ON THE SHAFT END)
运行环境温度/OPERATION AMBIENT TEMP.	-20℃——+50℃
运行环境湿度/OPERATION AMBIENT HUM.	15%——90%

备注/NOTE):

1. 额定电流, 两相同时通电/AT RATED CURRENT, TWO PHASES ON.

2. 热阻法: 电机安装在84\*84\*T5的铝板上, 电机线圈两端通额定电压, OPPS /MEASURED BY RESISTANCE METHOD. MOUNT WITH ALUMINUM HEAT SINK 84\*84\*T5 AT TWO WINDING BE EXCITED BY RATED VOLTAGE, OPPS, 2PHASE ON.

3. 寿命测试条件: 整步, 运行速度为500PPS, 轴承的表面温度不超过70° C LIFE TEST CONDITION: 2PHASE EXCITING, FULL STEP, AT 500PPS. STARTING PULSE, BEARING TEMPERATURE SHOULD BE 70° C MAX.

1000线光电编码器出线定义

Pin	1	2	3	11	12	13
Definition	EA+	VCC	GND	EB+	EB-	EA-
Color	BROWN	RED	BLUE	GREEN	YELLOW	WHITE

刹车技术参数/BRAKE TECHNICAL PARAMETER

DC	24V DC
Torque of disengagement	2.8N·M
Power	4.5W
Maximum speed	1K RPM
Response time	50ms
Insulation class	CLASS B
Black	-
Red	+

CONFIRMED&ACCEPTED BY COTUMER  
(客户确认&接受)

COMPANY CHOP&SIGNATURE  
(盖章&签名)

一般公差  
TULERANCE

±0.3/±3°

版本  
REV.

年 月 日  
DATE

变更番号  
ECR NO.

变 更 内 容  
REVISIONS

设计  
BY

备注 NOTE

REV.

A

设计/DESIGNED

比例  
SCALE

单位  
UNIT

mm

型号/MODEL

D57AM30ED-Z2-HG

审核/CHECKED

深圳锐特机电技术有限公司

页  
SHEET

1/1