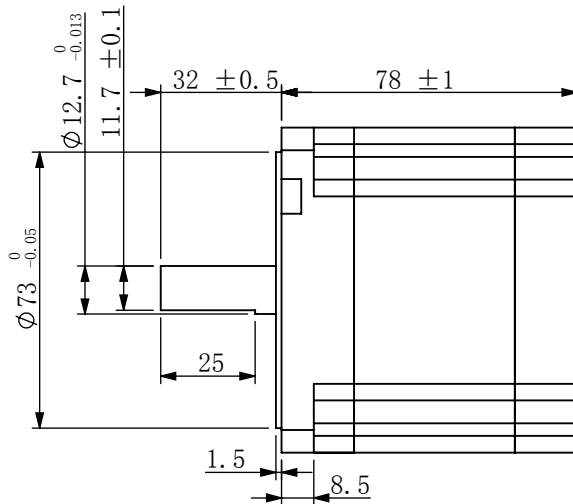


图号/DWG NO.
86HS78-D1232-001



Technical drawing of a square terminal block. The overall width is 86 mm. The distance between the centers of the four mounting holes is 69.6 ± 0.2 mm. The block has four mounting holes, each with a diameter of $\phi 6.5$. The block is connected to a cable with a cross-section of UL 1430 AWG20. The cable length is 300 ± 10 mm.

红RED A

黄YEL $\bar{A}$

蓝BLU $\bar{C}$

黑BLK C

M

B $\bar{B}$ D $\bar{D}$

白WHT 橙ORG 棕BRN 绿GRN

步 距 角/STEP ANGLE	1.8° ±5%
相 数/NO. OF PHASES	2
额定电压/RATED VOLTAGE	3.234V
额定电流/RATED CURRENT	4.2A
电 阻/RESISTANCE	0.77ohm±10% AT25℃
电 感/INDUCTANCE	3.0mH±20% AT 1kHz, 1Vrms
保持力矩/HOLDING TORQUE	4.5N. 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	1400g. cm ²
重 量/WEIGHT	约/APPROX. 2326克/g
允许轴向负载/ALLOWABLE THRUST LOAD	10N
允许径向负载/ALLOWABLE RADIAL LOAD	100N(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%
寿 命/LIFE	5000小时/HOURS

已受控

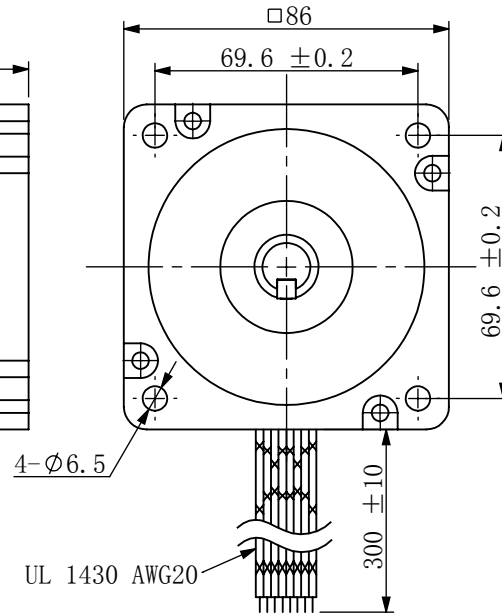
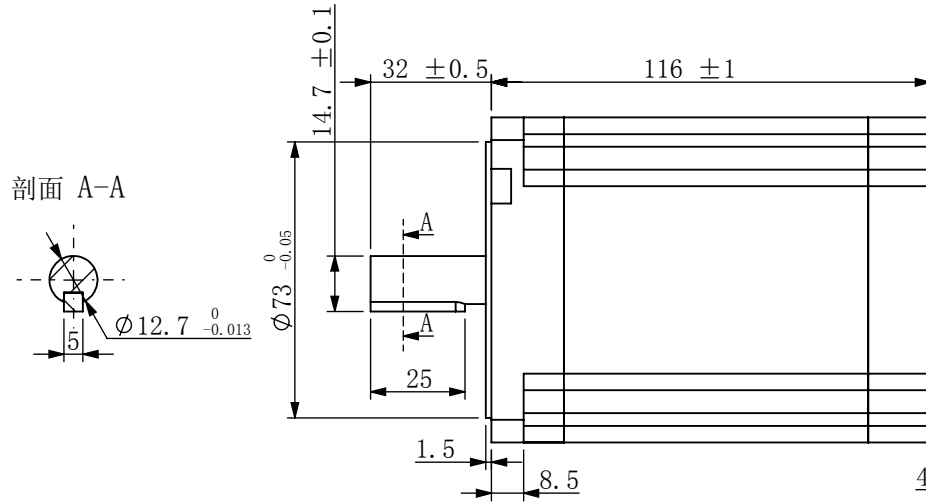
接法	驱动器接线	电机引线	适用场合
串联	A+	A	低速
	A-	C	
	B+	B	
	B-	D	
	悬空	$\bar{A} \ \bar{C}$ (相连)	
	悬空	$\bar{B} \ \bar{D}$ (相连)	
并联	A+	A $\bar{C}$	高速
	A-	$\bar{A} \ C$	
	B+	B $\bar{C}$	
	B-	$\bar{B} \ D$	

CONFIRMED&ACCEPTED BY CUSTOMER (客户确认&接受)								
COMPANY CHOP&SIGNATURE (盖章&签名)								
一般公差 TOLERANCE		±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
设计/DESIGNED			比例 SCALE		型 号/MODEL 86A4			三维图 THIRD ANGLE PROJECTION
			单位 UNIT	mm				
审核/CHECKED			深圳锐特机电技术有限公司					页 SHEET
								1/1

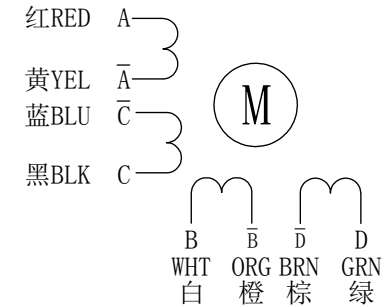
符合RoHS指令要求
CONFORM TO RoHS INSTRUCTIONS

图号/DWG NO.
86HS116-K1232-001

剖面 A-A



接线图/WIRING DIAGRAM



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	5.88V
额定电流/RATED CURRENT	4.9A
电阻/RESISTANCE	1.2ohm±10% AT25℃
电感/INDUCTANCE	5.7mH±20% AT 1kHz, 1Vrms
保持力矩/HOLDING TORQUE	8.5N.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	2800g.cm ²
重量/WEIGHT	约/APPROX. 3774克/g
允许轴向负载/ALLOWABLE THRUST LOAD	10N
允许径向负载/ALLOWABLE RADIAL LOAD	100N(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%
寿命/LIFE	5000小时/HOURS

备注(NOTE):

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

引线接法/Motor Line Connection

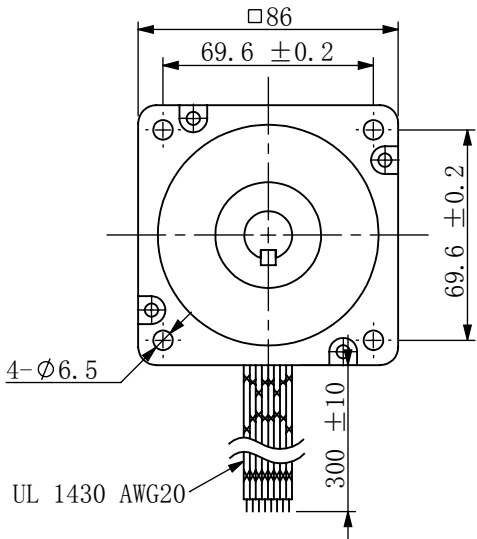
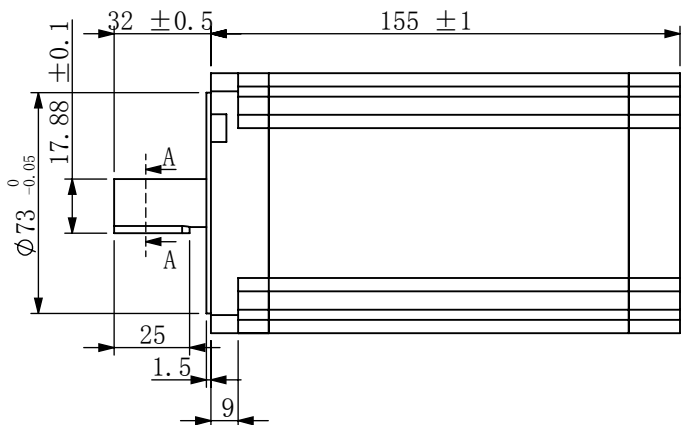
接法	驱动器接线	电机引线	适用场合
串联	A+	A	低速
	A-	C	
	B+	B	
	B-	D	
	悬空	A C (相连)	
	悬空	B D (相连)	
并联	A+	A C	高速
	A-	A C	
	B+	B C	
	B-	B D	

已受控

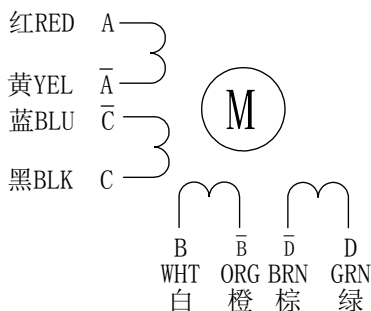
CONFIRMED&ACCEPTED BY COTUMER (客户确认&接受)									
COMPANY CHOP&SIGNATURE (盖章&签名)									
一般公差 TOLERANCE	±0.3/±3°	版本 REV.	年 月 日 DATE	变更番号 ECR NO.	变 更 内 容 REVISIONS	设计 BY	备注 NOTE	REV.	A
设计/DESIGNED			比例 SCALE		型 号/MODEL	86A8		三维图 THIRD ANGLE PROJECTION	
			单位 UNIT	mm					
审核/CHECKED			深圳锐特机电技术有限公司						页 SHEET

符合RoHS指令要求
CONFORM TO RoHS INSTRUCTIONS

图号/DWG NO.
86HS155-KF32-002



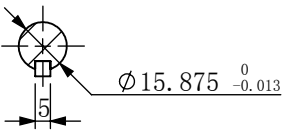
接线图/WIRING DIAGRAM



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	10.32V
额定电流/RATED CURRENT	6.0A
电阻/RESISTANCE	1.72ohm±10% AT25℃
电感/INDUCTANCE	8.3mH±20% AT 1kHz, 1Vrms
保持力矩/HOLDING TORQUE	12N.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	4000g.cm ²
重量/WEIGHT	约/APPROX. 5175克/g
允许轴向负载/ALLOWABLE THRUST LOAD	10N
允许径向负载/ALLOWABLE RADIAL LOAD	100N(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%
寿命/LIFE	5000小时/HOURS

剖面 A-A



已受控

引线接法/Motor Line Connection

接法	驱动器接线	电机引线	适用场合
串联	A+	A	低速
	A-	C	
	B+	B	
	B-	D	
	悬空	Ā C̄ (相连)	
	悬空	B̄ D̄ (相连)	
并联	A+	A C̄	高速
	A-	Ā C	
	B+	B C̄	
	B-	B̄ D	

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, 0PPS /MEASURED BY RESISTANCE METHOD. MOUNT WITH ALUMINUM HEAT SINK 84*84*T5 AT TWO WINDING BE EXCITED BY RATED VOLTAGE, 0PPS, 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.

CONFIRMED&ACCEPTED BY CUSTOMER (客户确认&接受)										
COMPANY CHOP&SIGNATURE (盖章&签名)										
一般公差 TOLERANCE	±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		型号/MODEL						三维图 THIRD ANGLE PROJECTION
审核/CHECKED		单位 UNIT	mm	86A12						
深圳锐特机电技术有限公司								页 SHEET	1/1	