

图号/DWG NO.
86HSM78C-K1440-008

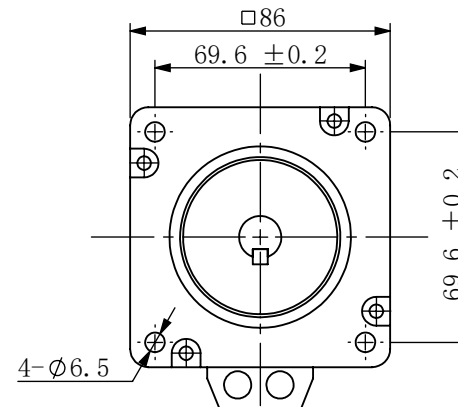
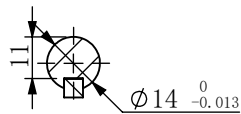
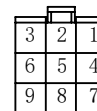


Diagram of a four-wire motor with a capacitor. The motor is represented by a circle with 'M' inside. It has four terminals: 1 (Blue, A-), 2 (Red, A+), 3 (Black, B-), and 4 (Green, B+). A capacitor is connected between terminals 1 and 2.

C向:



1	2
3	4

动力线


	STEP	A+	B+	A-	B-	
<div style="display: flex; align-items: center;"> <div style="text-align: right; margin-right: 10px;">CW</div> <div style="flex-grow: 1; border-left: 1px solid black; border-right: 1px solid black; position: relative;"> <div style="position: absolute; left: -10px; top: 50%; transform: translateY(-50%);">↓</div> <div style="position: absolute; right: -10px; top: 50%; transform: translateY(-50%);">↑</div> </div> <div style="text-align: left; margin-left: 10px;">CCW</div> </div>	1	+	+	-	-	
	2	-	+	+	-	
	3	-	-	+	+	
	4	+	-	-	+	

已受控

步 距 角/STEP ANGLE	1.8° ±5%
相 数/NO. OF PHASES	2
额定电压/RATED VOLTAGE	1.98V
额定电流/RATED CURRENT	6.0A
电 阻/RESISTANCE	0.33ohm±10% AT25℃
电 感/INDUCTANCE	2.95mH±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. 2460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%

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*75的铝板上, 电机线圈两端通额定电压, OPSP
/MEASURED BY RESISTANCE METHOD. MOUNT WITH ALUMINUM HEAT SINK 84*84*75
ON TWO WINDING BE EXCITED BY RATED VOLTAGE, OPSP, 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.

序号	6	9	5	8	4	7	2	3	1
定义	Z+	Z-	EB+	EB-	EA+	EA-	5V	GND	NC
线色	灰	黑	绿	黄	棕	白	红	蓝	\

CONFIRMED&ACCEPTED BY CUTOMER (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 REVITIONS	设计 BY	备注 NOTE	REV.	A
设计/DESIGNED		比例 SCALE			型 号/MODEL 86AM45ECZ			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