



SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		6.00
RESISTANCE/PHASE(Ohms)@20°C		0.42±10%
INDUCTANCE/PHASE(mH)@1KHz		3.50±20%
HOLDING TORQUE(Nm)[lb-in]		4.8[42.52]
STEP ANGLE(°)		1.80±5.00%
ROTOR INERTIA(g-cm ²)		—
WEIGHT(Kg)[lb]		—
RELIABILITY:MTBF 6000 HOURS OR MORE.@24V/300RPM		
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED)		
AMBIENT TEMPERATURE -20°C~50°C[-4°F~122°F]		
INSULATION CLASS B 130°C[266°F]		
DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		

PIN NO	TYPE OF CONNECTION (EXTERN)		MOTOR	
	BIPOLAR	LEADS	LEADS	WINDING
1	A+			A+
2	A-			A-
3	B+			B+
4	B-			B-

FULL STEP 2 PHASE-Ex. ,
WHEN FACING MOUNTING END (X)

STEP	A+	B+	A-	B-	CCW	CW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↓	↑

ENCODER RESOLUTION:1000PPR(4000CPR)

15-PIN DB MALE PLUG	1	2	3	11	12	13
LEAD COLOR	BLK	RED	WHT	YEL	GRN	BLU
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-

STEPPERONLINE®

APVD		10.16.2021
CHKD		
1:1.5	DRN	
SCALE	SIGNATURE	DATE

STEPPER MOTOR

34HS31-6004D-E1000