



SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		8.00
RESISTANCE/PHASE(Ohms)@25°C		1.15±10%
INDUCTANCE/PHASE(mH)@1KHz		17.50±20%
HOLDING TORQUE(Nm)[lb-in]		30.00[265.52]
STEP ANGLE(°)		1.80
STEP ACCURACY(NON-ACCUM)		±5.00%
WEIGHT(Kg)[lb]		—
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED)		
AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F]		
INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		
INSULATION CLASS B 130°C[266°F]		
DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		
AMBIENT HUMIDITY MAX.85%(NO CONDENSATION)		

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	RED	
2	A\ —	WHT	
3	B —	BLK	
4	B\ —	YEL/GRN	

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

STEP	A	B	A\	B\		CCW
1	+	+	-	-		
2	-	+	+	-		
3	-	-	+	+		
4	+	-	-	+		

ENCODER RESOLUTION:1000PPR(4000CPR)

ENCODER	1	2	3	11	12	13
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-
DESCRIPTION	BLK	RED	WHT	YEL	GRN	BLU



APVD		2.18.2022
CHKD		
1:2	DRN	
SCALE	SIGNATURE	DATE

STEPPER MOTOR

42HS79-8004D-E1000