



SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		4.20
RESISTANCE/PHASE(Ohms)@25°C		0.95±10%
INDUCTANCE/PHASE(mH)@1KHz		4.10±20%
HOLDING TORQUE(Nm)[lb-in]		3.00[26.55]
STEP ANGLE(°)		1.80
STEP ACCURACY(NON-ACCUM)		±5.00%
LIFE(h)		6000
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 —	BLK	A
2	C —	GRN	C
3	B —	RED	B
4	D —	BLU	D

BRAKE SPECIFICATIONS	
VOLTAGE	24
POWER	11.5
STATIC FRICTION TORQUE(Nm)	2
MOMENT of INTERIA(kg.cm <sup>2</sup> )	3.8x10 <sup>-6</sup>
MAX. SPEED(rpm)	5000

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

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

<b>STEPPERONLINE</b> ®	APVD		11.9.2021
	CHKD		
	1:1.5	DRN	
	SCALE	SIGNATURE	DATE

**STEPPER MOTOR**  
**23HS45-4204D-B200**