

ENCODER RESOLUTION:1000PPR (4000CPR)

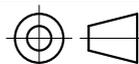
15-PIN DB MALE PLUG	1	2	3	11	12	13
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-

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

STEP	A+	B+	A-	B-		CCW
1	+	+	-	-		UNIT mm GB/T 1804-M EQV.ISO 2768-1 CLASS M: <=6 ±0.1 >6~30 ±0.2 >30~120 ±0.3 >120~400 ±0.5
2	-	+	+	-		
3	-	-	+	+		
4	+	-	-	+		

WINDING			SPECIFICATION	CONNECTION	BIPOLAR
			AMPS/PHASE		4.00
			RESISTANCE/PHASE(Ohms)@25°C		0.50±10%
			INDUCTANCE/PHASE(mH)@1KHz		1.70±20%
			HOLDING TORQUE(Nm)[lb-in]		1.20 [10.63]
			STEP ANGLE(°)		1.80
			STEP ACCURACY(NON-ACCUM)		±5.00%
PIN NO	BIPOLAR	LEADS	ROTOR INERTIA(g-cm <sup>2</sup> )		300
1	A+	--	WEIGHT(Kg)[lb]		—
2	A-	--	AMBIENT TEMPERATURE		-10°C~50°C[14°F~122°F]
3	B+	--	INSULATION CLASS		B 130°C[266°F]
4	B-	--	TEMPERATURE RISE		MAX.80°C

**OSMTEC**<sup>®</sup>  
Stepper Motor Specialists



mm

UNITS

2:3

SCALE

DRN

ZPJ

APVD

SIGNATURE

1.15.2026

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DATE

**STEPPER MOTOR**

**23HS22-4004D-E1000**