

ENCODER RESOLUTION:1000PPR(4000CPR)

LEAD COLOR	RED	WHT	BLK	BLU	YEL	GRN
DESCRIPTION	VCC	GND	EA+	EA-	EB+	EB-

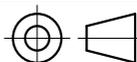
FULL STEP 2 PHASE-Ex.,WHEN FACING MOUNTING END (X)

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

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

WINDING			CONNECTION	BIPOLAR
			SPECIFICATION	
			AMPS/PHASE	1.00
			RESISTANCE/PHASE(Ohms)@25°C	3.70±10%
			INDUCTANCE/PHASE(mH)@1KHz	4.00±20%
			HOLDING TORQUE(Nm)[lb-in]	0.14[1.24]
			STEP ANGLE(°)	1.80
PIN NO	BIPOLAR	LEADS	STEP ACCURACY(NON-ACCUM)	±5.00%
1	A+	BLK	ROTOR INERTIA(g-cm²)	12.00
2	A-	GRN	WEIGHT(Kg)[lb]	—
3	B+	RED	AMBIENT TEMPERATURE	-10°C~50°C[14°F~122°F]
4	B-	BLU	INSULATION CLASS	B 130°C[266°F]
			TEMPERATURE RISE	MAX.80°C

OSMTEC®
Stepper Motor Specialists



mm

UNITS

2:3

SCALE

DRN

APVD

SIGNATURE

ZPJ

YSX

DATE

1.15.2026

1.15.2026

DATE

STEPPER MOTOR

17HS08-1004D-E1K