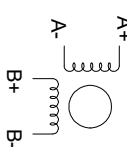
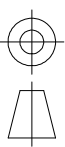


ENCODER CONNECTION:1000PPR(4000CPR)

LEAD COLOR	RED	BLK	BRN	ORG	BLU	GRN	YEL	WHT
DESCRIPTION	+5V	EGND	EA+	EA-	EB+	EB-	EZ+	EZ-

FULL STEP 2 PHASE-EX. WHEN FACING MOUNTING END (X)		MOTOR CONNECTION	
STEP	A+ B+ A- B-	CCW	CW
1	+ + - -		
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

SPECIFICATION	VALUE
AMPS/PHASE	1.00
RESISTANCE/PHASE(Ohms)@25°C	3.50±10%
INDUCTANCE/PHASE (mH)@1KHz	3.50±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]	0.125[1.11]
GEAR RATIO	19 ³⁸ / ₃₇
EFFICIENCY	81%
STEP ANGLE w/o GEARBOX(°)	1.80
BACKLASH@NO-LOAD(°)	<=1
MAX. PERMISSIBLE TORQUE(Nm)	3
MOMENT PERMISSIBLE TORQUE(Nm)	5
SHAFT MAXIMUM AXIAL LOAD(N)	-
SHAFT MAXIMUM RADIAL LOAD(N)	-
AMBIENT TEMPERATURE	-10°C-50°C[14°F-122°F]
INSULATION CLASS	B 130°C[266°F]
TEMPERATURE RISE	MAX.80°C



OSMTEC®

Stepper Motor Specialists

mm	DRN	LDJ
UNITS	1:1	APVD ZPJ
SCALE	SIGNATURE	DATE

1.13.2026
1.19.2026
14HS11-1004D-ME1K-PG19

GEARBOX MOTOR