

MOTOR CONNECTION			
PIN NO	BIPOLAR	LEADS	WINDING
1	A+	BLK	
2	A-	GRN	
3	B+	RED	
4	B-	BLU	
5	O+	YEL	
6	O-	WHT	

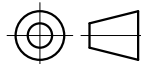
SPECIFICATION	VALUE
AMPS/PHASE	0.40
RESISTANCE/PHASE(Ohms)@25°C	30.00±10%
INDUCTANCE/PHASE(mH)@1KHz	25.00±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]	0.32[2.83]
GEAR RATIO	13 <sup>212</sup> / <sub>289</sub>
EFFICIENCY	80%
STEP ANGLE w/o GEARBOX(°)	1.80
BACKLASH@NO-LOAD	<=3°
MAX.PERMISSIBLE TORQUE(Nm)	3.00
MOMENT PERMISSIBLE TORQUE(Nm)	5.00
SHAFT MAXIMUM AXIAL LOAD(N)	50
SHAFT MAXIMUM RADIAL LOAD(N)	100
AMBIENT TEMPERATURE	-10°C~50°C[14°F~122°F]
INSULATION CLASS	B 130°C[266°F]
TEMPERATURE RISE	MAX.80°C

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

STEP	A+	B+	A-	B-	O+(O-)	CCW
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

**OSMTEC**®  
 Stepper Motor Specialists



mm			
UNITS	DRN	ZPJ	1.7.2026
1:1	APVD	YSX	1.7.2026
SCALE	SIGNATURE	DATE	

**GEARBOX MOTOR**

17HS19-0406S-PG14