



SPECIFICATION	VALUE
AMPS/PHASE	0.67
RESISTANCE/PHASE(Ohms)@25°C	12.00±10%
INDUCTANCE/PHASE(mH)@1KHz	6.50±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]	0.14[1.24]
GEAR RATIO	13 ²¹² / ₂₈₈
EFFICIENCY	80.00%
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)	5.00
SHAFT MAXIMUM RADIAL LOAD(N)	25.00
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-		CCW
1	+	+	-	-	↓ ↑	↑ ↓
2	-	+	+	-		
3	-	-	+	+		
4	+	-	-	+		

MOTOR CONNECTION			
PIN NO	BIPOLAR	LEADS	
1	A+	BLK	
2	A-	GRN	
3	B+	RED	
4	B-	BLU	

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	1.9.2026
3:2	APVD	YSX	1.9.2026
SCALE	SIGNATURE	DATE	

GEARBOX MOTOR
11HS20-0674D-PG14