

SPECIFICATION	VALUE
AMPS/PHASE	4.00
RESISTANCE/PHASE(Ohms)@25°C	0.60±10%
INDUCTANCE/PHASE(mH)@1KHz	4.50±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]	4.50[39.83]
GEAR RATIO	20.00
EFFICIENCY	70%
STEP ANGLE w/o GEARBOX(°)	1.80
BACKLASH@NO-LOAD	<=3°
MAX.PERMISSIBLE TORQUE(Nm)	20.00
MOMENT PERMISSIBLE TORQUE(Nm)	40.00
SHAFT MAXIMUM AXIAL LOAD(N)	200
SHAFT MAXIMUM RADIAL LOAD(N)	400
AMBIENT TEMPERATURE	-10°C~50°C[14°F~122°F]
INSULATION CLASS	B 130°C[266°F]
TEMPERATURE RISE	MAX.80°C

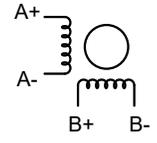
FULL STEP 2 PHASE-Ex.,WHEN FACING MOUNTING END (X)

STEP	A+	B+	A-	B-	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

MOTOR CONNECTION

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



OSMTEC®
 Stepper Motor Specialists

mm			
UNITS	DRN	ZPJ	1.7.2026
2:3	APVD	YSX	1.7.2026
SCALE	SIGNATURE	DATE	

GEARBOX MOTOR
 34HS38-4004D-SG20