



SPECIFICATION	VALUE
AMPS/PHASE	0.20
RESISTANCE/PHASE(Ohms)@25°C	24±10%
INDUCTANCE/PHASE(mH)@1KHz	8±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]	0.02[0.14]
GEAR RATIO	100
EFFICIENCY	90%
STEP ANGLE w/o GEARBOX(°)	1.80
BACKLASH@NO-LOAD	<=25arcmin
MAX.PERMISSIBLE TORQUE(Nm)	6.00
MOMENT PERMISSIBLE TORQUE(Nm)	12.00
SHAFT MAXIMUM AXIAL LOAD(N)	100
SHAFT MAXIMUM RADIAL LOAD(N)	300
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	CCW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↓	↑

MOTOR CONNECTION

PIN NO	BIPOLAR	LEADS	A+	A-	B+	B-
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	1.12.2026
3:2	APVD	YSX	1.12.2026
SCALE	SIGNATURE	DATE	

GEARBOX MOTOR
8HS11-0204S-EGS100