

SPECIFICATION	VALUE
AMPS/PHASE	0.70
RESISTANCE/PHASE(Ohms)@25°C	5.30±10%
INDUCTANCE/PHASE(mH)@1KHz	3.70±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]	0.07[0.62]
GEAR RATIO	50
EFFICIENCY	94%
STEP ANGLE w/o GEARBOX(°)	1.80
BACKLASH@NO-LOAD	<=20arcmin
MAX.PERMISSIBLE TORQUE(Nm)	3.00
MOMENT PERMISSIBLE TORQUE(Nm)	6.00
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

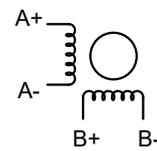
FULL STEP 2 PHASE-Ex.,WHEN FACING MOUNTING END (X)

STEP	A+	B+	A-	B-	CW	CCW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↑	↓
4	+	-	-	+	↑	↓

MOTOR CONNECTION

PIN NO	BIPOLAR	LEADS
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
11HS12-0704S-EGS50