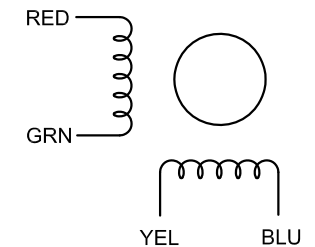


SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		1.00
RESISTANCE/PHASE(Ohms)@25°C		3.20±10%
INDUCTANCE/PHASE(mH)@1KHz		4.50±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		0.14[1.24]
GEAR RATIO		19 <sup>38</sup> / <sub>187</sub>
EFFICIENCY		81.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD		<=1°
MAX.PERMISSIBLE TORQUE(Nm)		3.00
MOMENT PERMISSIBLE TORQUE(Nm)		5.00
SHAFT MAXIMUM AXIAL LOAD(N)		50.00
SHAFT MAXIMUM RADIAL LOAD(N)		100.00
WEIGHT(Kg)[lb]		0.40[0.88]
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED)		
AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F]		
INSULATION CLASS B 130°C[266°F]		

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	RED	A
2	A\ —	GRN	A\
3	B —	YEL	B
4	B\ —	BLU	B\

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

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



	APVD		4.22.2019
	CHKD		
1:1	DRN		
SCALE	SIGNATURE		DATE

**STEPPER MOTOR**

**14HS13-0804D-PG19**