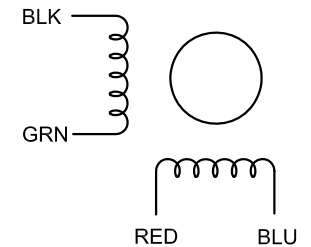


SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		0.71
RESISTANCE/PHASE(Ohms)@25°C		9.00±10%
INDUCTANCE/PHASE(mH)@1KHz		8.40±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		0.13[1.15]
GEAR RATIO		99 <sup>1044</sup> / <sub>2057</sub>
EFFICIENCY		73.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD		<=1°
MAX.PERMISSIBLE TORQUE(Nm)		4.00
MOMENT PERMISSIBLE TORQUE(Nm)		6.00
SHAFT MAXIMUM AXIAL LOAD(N)		5.00
SHAFT MAXIMUM RADIAL LOAD(N)		25.00
WEIGHT(Kg)[lb]		0.45[0.99]
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 —	BLK	A
2	A\ —	GRN	A\
3	B —	RED	B
4	B\ —	BLU	B\

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

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



	APVD		10.22.2018
	CHKD		
1.5:1	DRN		
SCALE	SIGNATURE		DATE

**STEPPER MOTOR**  
**11HS20-0714S-PG100**