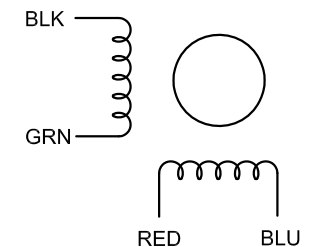


SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		1.50
RESISTANCE/PHASE(Ohms)@25°C		2.80±10%
INDUCTANCE/PHASE(mH)@1KHz		3.80±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		0.40[3.54]
GEAR RATIO		13 <sup>212</sup> / <sub>288</sub>
EFFICIENCY		80.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD		<=1°
MAX.PERMISSIBLE TORQUE(Nm)		4.00
MOMENT PERMISSIBLE TORQUE(Nm)		8.00
SHAFT MAXIMUM AXIAL LOAD(N)		50.00
SHAFT MAXIMUM RADIAL LOAD(N)		100.00
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\		CCW
1	+	+	-	-	↓	↑
2	-	+	+	-		
3	-	-	+	+		
4	+	-	-	+		
						CW



APVD		8.18.2018
CHKD		
1:1	DRN	
SCALE	SIGNATURE	DATE

**STEPPER MOTOR**  
**14HS20-1504D-PG14**