



SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		1.68
RESISTANCE/PHASE(Ohms)@20°C		1.60±10%
INDUCTANCE/PHASE(mH)@1KHz		3.20±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		0.39[3.46]
GEAR RATIO		20
EFFICIENCY		75.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD(°)		1.6
MAX.PERMISSIBLE TORQUE(Nm)		10.00
MOMENT PERMISSIBLE TORQUE(Nm)		15.00
WEIGHT(kg)		—
AMBIENT TEMPERATURE(°C)		-10 ~ 50
INSULATION CLASS		B
MAX. RADIAL LOAD(N)		100

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A+ —	/	A+
2	A- —		A-
3	B+ —	/	B+
4	B- —		B-

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

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

ENCODER RESOLUTION:1000CPR						
15-PIN DB MALE PLUG	1	2	3	11	12	13
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-



APVD		8.22.2022
CHKD		
1:1	DRN	
SCALE	SIGNATURE	DATE

STEPPER MOTOR

17HS15-HG20-E1000