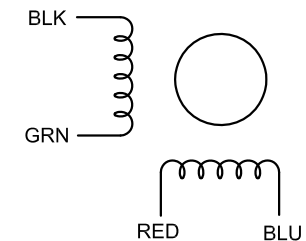


SPECIFICATION	CONNECTION	BIPOLAR
VOTAGE(VOC)		3.20
AMPS/PHASE		2.80
RESISTANCE/PHASE(Ohms)@25°C		1.13±10%
INDUCTANCE/PHASE(mH)@1KHz		5.40±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		1.89[16.73]
GEAR RATIO		20.00
EFFICIENCY		70.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD		<=3°
MAX.PERMISSIBLE TORQUE(Nm)		5.00
WEIGHT(Kg)[lb]		1.50[3.31]
ROTOR INERTIA w/o GEARBOX(g-cm²)		480.00
INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY )		
DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE )		
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	A\	B	B\		
1	+	+	-	-	↓	CCW
2	-	+	+	-		↑
3	-	-	+	+	↓	CW
4	+	-	-	+		↑



	APVD		
	CHKD		
1:1.5	DRN		
SCALE	SIGNATURE	DATE	

## STEPPER MOTOR

23HS30-2804S-SG20