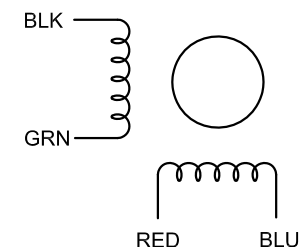


SPECIFICATION	CONNECTION	BIPOLAR
VOTAGE(VOC)		2.60
AMPS/PHASE		2.80
RESISTANCE/PHASE(Ohms)@25°C		0.90±10%
INDUCTANCE/PHASE(mH)@1KHz		2.50±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		1.25[11.06]
GEAR RATIO		4 $\frac{1}{4}$
EFFICIENCY		90.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD		<=1.5°
MAX.PERMISSIBLE TORQUE(Nm)		20.00
MOMENT PERMISSIBLE TORQUE(Nm)		30.00
SHAFT MAXIMUM AXIAL LOAD(N)		100.00
SHAFT MAXIMUM RADIAL LOAD(N)		200.00
WEIGHT(Kg)[lb]		1.20[2.65]
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	
3	B —	RED	B
4	B\ —	BLU	

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

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



**STEPPERONLINE**  
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	APVD		
	CHKD		
1:1.5	DRN		
SCALE	SIGNATURE	DATE	

**STEPPER MOTOR**

**23HS22-2804S-PG4**