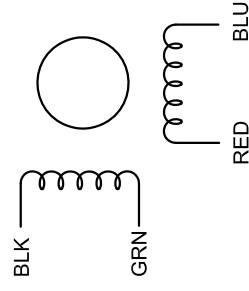


SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		2.80
RESISTANCE/PHASE(Ohms)@25°C		0.90±10%
INDUCTANCE/PHASE(mH)@1KHz		2.50±20%
HOLDING TORQUE(Nm) w/o GEARBOX(Nm)[lb-in]		1.25[11.06]
GEAR RATIO		15 ³ / ₁₆
EFFICIENCY		81.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD		<=1.5°
MAX.PERMISSIBLE TORQUE(Nm)		30.00
MOMENT PERMISSIBLE TORQUE(Nm)		50.00
SHAFT MAXIMUM AXIAL LOAD(N)		100.00
SHAFT MAXIMUM RADIAL LOAD(N)		200.00
WEIGHT (kg)[lb]		1.40[3.09]
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	CW
1	+	+	-	-	↑	↓
2	-	-	+	+	↓	↑
3	-	+	-	+	↑	↓
4	+	+	-	-	↓	↑



APVD		8.20.2018	STEPPER MOTOR	
CHKD				
DRN			23HS22-2804S-PG15	
SCALE		1:1.5		
SIGNATURE				
DATE				

