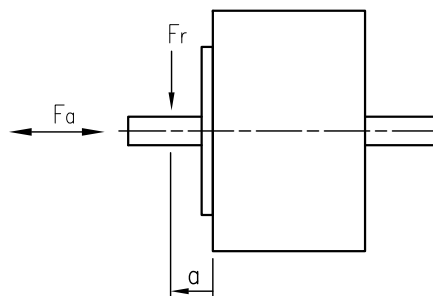


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING
VOLTAGE (VDC)		3.8
AMPS/PHASE		1.0
RESISTANCE/PHASE (Ohms)@25°C		3.8±10%
INDUCTANCE/PHASE (mH) @1KHz		2.0±20%
HOLDING TORQUE (Nm) [lb-in]		0.064 [0.566]
DETENT TORQUE (Nm) [lb-in]		0.005 [0.044]
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)
BACK-EMF (V) (300 U/min)		
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]		1.6x10 <sup>-6</sup> [5.46x10 <sup>-3</sup> ]
WEIGHT (Kg) [lb]		0.095 [0.209]
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		
AMBIENT TEMPERATURE -10~ 50°C [-4°F ~ 122°F]		
INSULATION RESISTANCE 100 MOhm/500VDC (UNDER NORMAL TEMPERATURE AND HUMIDITY)		
INSULATION CLASS E 120° [248°F]		
DIELECTRIC STRENGTH 600VAC/50Hz/1s/3mA (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		

PERMISSIBLE RADIAL+AXIAL FORCE

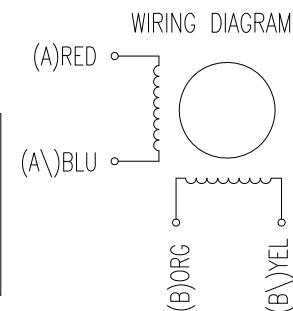


AXIAL-FORCE Fa (N)	Fr=5.0	
Fa=2.0		
DISTANCE a (mm)	1/2 SCHAFTLENGTH	
RADIAL-FORCE Fr (N)	AXIAL	RADIAL
	0.5	0.06
SHAFT PLAY (mm)		
AT LOAD MAX: (N)	4.5	4.5

TYPE OF CONNECTION (EXTERN)	MOTOR		
	CONNECTOR PIN NO.	LEADS	WINDING
A —	1	RED	A
A\ —	2	BLU	A\
B —	3	ORG	B
B\ —	4	YEL	B\

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

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



REV	DESCRIPTION	DATE	APVD
1(5x)	CHG. TOL. OF DIAM.+RUNOUT	01.08.14	J.D.



ST6318F1004-A

SCALE	FREE	APVD	S.Ha.	29.08.10
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	29.08.10
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

STEPPING MOTOR

DWG.NO

ST6318F1004-A