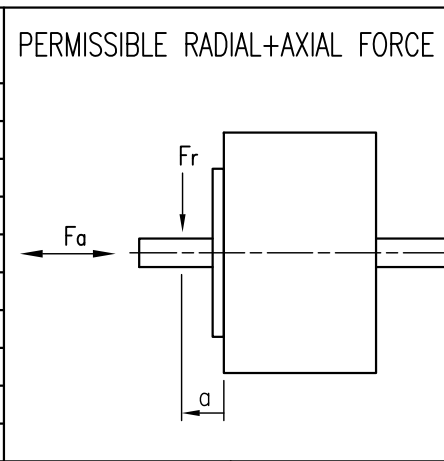


SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING
VOLTAGE (VDC)	3.8
AMPS/PHASE	1.0
RESISTANCE/PHASE (Ohms)@25°C	3.8±10%
INDUCTANCE/PHASE (mH) @1KHz	2.0±20%
HOLDING TORQUE (Nm) [lb-in]	0.064 [0.566]
DETENT TORQUE (Nm) [lb-in]	0.005 [0.044]
STEP ANGLE (°) ± ACCURACY	1.8±5% (NON-ACCUM)
BACK-EMF (V) (300 U/min)	
ROTOR INERTIA (Kg-m ²) [lb-in ²]	1.6x10 ⁻⁶ [5.46x10 ⁻³]
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)	

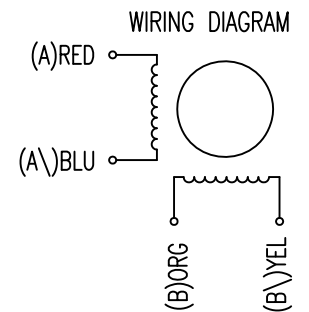


	AXIAL-FORCE Fa (N)	FR=5.0
AXIAL-FORCE Fa (N)	Fa=2.0	
DISTANCE a (mm)	1/2 SCHAFTLENGTH	
RADIAL-FORCE Fr (N)		
	AXIAL	RADIAL
SHAFT PLAY (mm)	0.5	0.06
AT LOAD MAX: (N)	4.5	4.5

TYPE OF CONNECTION (EXTERN)	MOTOR			
	BIPOLAR	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	 Nanotec [®] PLUG & DRIVE	SCALE FREE	APVD	<i>S.Ha.</i>	27.11.08	STEPPING MOTOR DWG.NO ST6318F1004-A
					X ±0.5	CHKD			
					1PL ±0.2	DRN	<i>J.W.</i>	27.11.08	
				2PL ±0.1	SIGNATURE		DATE		
				ANGLE ±30'					