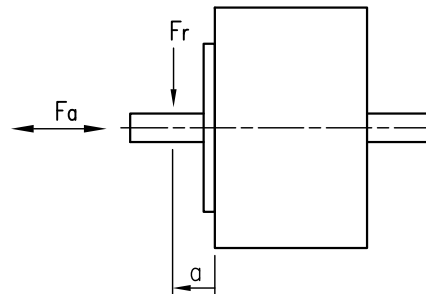


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING
VOLTAGE (VDC)		3.8
AMPS/PHASE		1.0
RESISTANCE/PHASE (Ohms)@25°C		3.8±10%
INDUCTANCE/PHASE (mH) @1KHz		2.0±20%
HOLDING TORQUE (Nm) [lb-in]		0.064 [0.566]
DETENT TORQUE (Nm) [lb-in]		0.005 [0.044]
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)
BACK-EMF (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

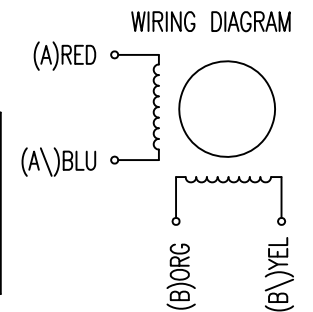


AXIAL-FORCE Fa (N)	Fa=2.0	
DISTANCE a (mm)	1/2 SCHAFTLENGTH	
RADIAL-FORCE Fr (N)	Fr=5.0	
	AXIAL	RADIAL
SHAFT PLAY (mm)	0.5	0.06
AT LOAD MAX: (N)	4.5	4.5

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	 <b>Nanotec</b> <sup>®</sup> PLUG & DRIVE	SCALE FREE	APVD	<i>S.Ha.</i>	27.11.08	<b>STEPPING MOTOR</b> 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'				

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [nanotec](#) manufacturer:*

Other Similar products are found below :

[LSNUT-T6X2-F](#) [STF2818X0504-A](#) [SP2575M0206-A](#) [DB59C024035-A](#) [SP1518M0204-A](#) [ST5918M3008-A](#) [ST6018L3008-A](#) [ZKRS485-USB](#) [SP3575M0906-A](#) [C5-01](#) [ST2818S1006-B](#) [SMCI35](#) [ST4118L1804-A](#)