



							_
CONNECTION	UNIPOLAR OR	BIPOLAR					
SPECIFICATION	BIPOLAR-1 WINDING SERIAL		PERMISSIBLE RADIAL+AXIAL FORCE				
VOLTAGE (VDC)	3.7	5.27	ROTOR SPRING- MOUNTED IN		SPRING WASHER		
AMPS/PHASE	1.2	0.85	AXIAL DIRECTION			'	
RESISTANCE/PHASE (Ohms)@25°C	3.1±15%	6.2±15%		BEAR	NG /		
INDUCTANCE/PHASE (mH) @1KHz	2.9±20%	11.6±20%		*			
HOLDING TORQUE (Nm) [lb-in]	0.28 [2.478]	0.396 [3.505]	Fa	1	<u> </u>		
DETENT TORQUE (Nm) [lb-in]	9.8x10 <sup>-</sup>	<sup>3</sup> [8.673x10 <sup>-2</sup> ]		$\Box$			
STEP ANGLE (*)+ ACCURACY	1.8±5%		]   []				
BACK-EMF (V) (300 U/min)	10.9 🗥						
ROTOR INERTIA (Kg-m²) [lb-in²]	5.7x10 <sup>-6</sup> [1.95x10 <sup>-2</sup> ]		<u>a</u>				
WEIGHT (Kg) [lb] 0.24 [0.53]							
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)			AXIAL-FORCE Fa (N)	Fa:	=7		
AMBIENT TEMPERATURE −10°~ 50°C [14°F ~ 122°F]			DISTANCE a (mm)	5 1	0 15	20	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)			RADIAL-FORCE Fr (N)	58 3	6 26	20	
INSULATION CLASS B 130° [266°F]				AXIAL	RAI	DIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)			SHAFT PLAY (mm)	0.08	0.0	)2	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)			AT LOAD MAX: (N)	4.5	4.5	)	
			_ (R)	SCALE	FREE	APV	n

	TYPE OF CONNECTION (EXTERN)			MOTOR	
UNIPOLAR	BIPC 1WINDING	)LAR SERIAL	CONNECTOR PIN NO.	LEADS	WINDING
Α —	A —	Α —	1	BRN	A —
сом —	сом —		5	BLK	СОМ —
A\		A\ —	3	ORG	<u> </u>
В —	в —	B —	2	RED	В
сом —	сом —	_	6	WHT	Ców —
B\ —		B\ —	4	YEL	
for >speed ———					
for <speed diagram<="" td="" wiring=""></speed>					
FULL STEP 2 PHASE-Ex., (A)BRN					
FULL STEP 2 PHASE—Ex.,					
WHEN FACING MOUNTING END (X) (COM)BLK STEP A B A B CCW (A)ORG					( )
STEP A B	ν <sub>Δ</sub>	ئے۔ ۱۸۵۶			

WHEN FACING MOUNTING END						(x)
STEP	Α	В	Α\	Β\		CCW
1	+	+	_	-		
2	-	+	+	-		
3	_	-	+	+		
4	+	ı	-	+	CW	

	WIRING DIAGRAM
(A)BRN	~ [
(COM)BLK	<b>→</b> { ( )
(A\)ORG	(B)RED (COM)WHT (B\)YEL (B\)

1	VALUE OF BACK-EMF+UL NO.	20.06.11	LB
REV	DESCRIPTION	DATE	APVD

Nanot PLUG &	
ST4118M1206	

SCALE	FREE	APVD	S.Ha.	26.02.07
Х	±0.5	CHKD		
1PL 2PL	±0.2 ±0.1	DRN	J.W.	29.11.06
ANGLE	±30'	SIGNATURE		DATE

STE	PPING MOTOR	
DWG.NO		
	ST4118M1206	