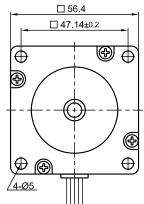
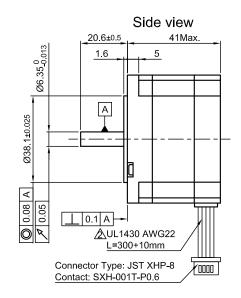
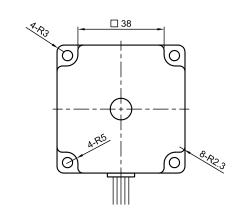
Front view and mounting





Rear view



CONNECTION	UNIPOLAR OR	BIPOLA	·R				
SPECIFICATION	BIPOLAR-1 WINDING	SERIAL	PARALLEL	PERMISSIBLE RADIAI	L+AXIAL FO	ORCE	
VOLTAGE (VDC)	1.5			ROTOR SPRING-		SPRING	
AMPS/PHASE	3.0	2.12	4.24	MOUNTED IN AXIAL DIRECTION		WASHER $ eg$,
RESISTANCE/PHASE (Ohms)@25°C	0.5±15%	1.0±15%	0.25±15%	AXIAL DIRECTION	BEARIN	ıG /	
INDUCTANCE/PHASE (mH) @1KHz	0.54±20%	2.16±20%	0.54±20%	Fr			
HOLDING TORQUE (Nm) [lb-in]	0.38 [3.363]	0.537 [4.752] 0.537 [4.752]	Fa 📥	Ø	M	ا۔
DETENT TORQUE (Nm) [lb-in]	0.0147 [0.13]			1 ← + +	H		긔
STEP ANGLE (*) ± ACCURACY	± ACCURACY 1.8±5% (NON-ACCUM)]				
BACK-EMF (V) (300 U/min)		5.3] 4			
ROTOR INERTIA (Kg-m²) [lb-in²]	1.35x10 ⁻⁵ [0.046]						
WEIGHT (Kg) [lb] 0.49 [1.08]							
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)			AXIAL-FORCE Fa (N)	Fa=	10		
AMBIENT TEMPERATURE −10°~ 50°C [14°F ~ 122°F]				DISTANCE a (mm)	5 10	15 20	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)				RADIAL-FORCE Fr (N)	130 90	70 52	
INSULATION CLASS B 130° [266°F]					AXIAL	RADIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)				SHAFT PLAY (mm)	80.0	0.02	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)				AT LOAD MAX: (N)	4.5	4.5	
				a SCAI	I C CDCC	VD/\D <	~

TYPI	OF CONNECTION (EXTE	RN)	MOTOR		
UNIPOLAR	BIPOLAR 1WINDING SERIAL PAR	CONNE	ECTOR IO. A LEADS	WINDING	
A — COM — CO	A — A — A — A — A — A — A — A — A — A —		BLK BLK/WHT GRN/WHT GRN GRD RED/WHT GBLU/WHT GBLU/	A A\ B B\	

				END	(X)
Α	В	Α\	B\		CCW
+	+	ı	ı		A
_	+	+	1		
_	1	+	+		
+	-	-	+	CW	
		FACING M	FACING MOUNT		FACING MOUNTING END A B A\ B\ + + + + + + +

WIRING DIAGRAM
(A) BLK ⊶
BLK/WHT ⊶ (
(A\) GRN - []
) RED //WHT //WHT
(B) (B) (B) (B)

2	NEW UL NO.	29.07.09	J.W.
1	PIN-ASSIGNMENT	08.01.08	J.W.
REV	DESCRIPTION	DATE	APVD

Nanotec PLUG & DRIVE	0
ST5918X3008-A	

SCALE	FREE	APVD	S.Ha.	19.03.07
X		CHKD		
1PL 2PL	±0.2 ±0.1	DRN	J.W.	21.11.06
ANGLE	±30'	SIGN	ATURE	DATE

STE.	PPING MOTOR	
DWG.NO		
	ST5918X3008-A	