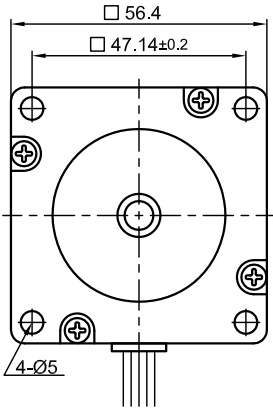
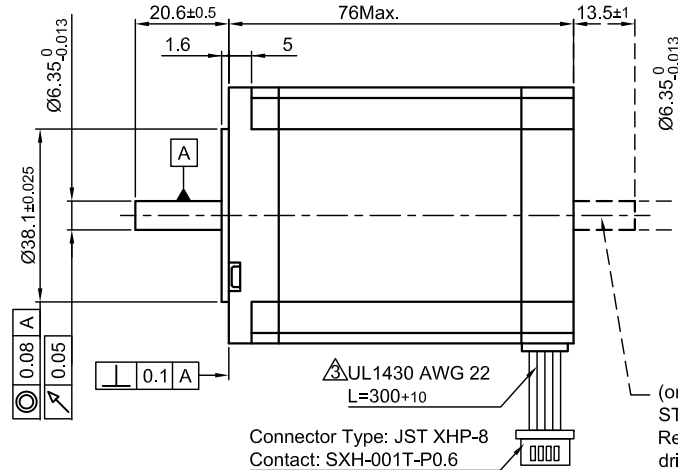


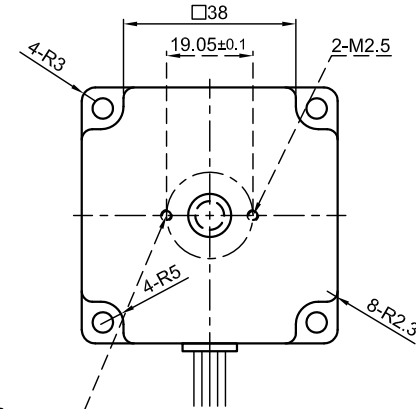
Front view and mounting



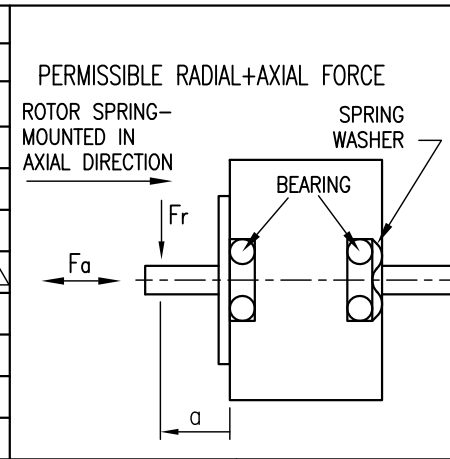
Side view



Rear view



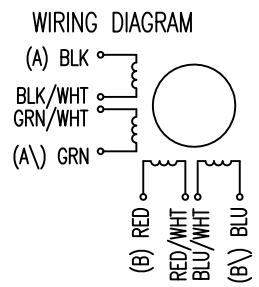
SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		4.8		
AMPS/PHASE		2.0	1.41	2.82
RESISTANCE/PHASE (Ohms)@25°C		2.4±10%	4.8±10%	1.2±10%
INDUCTANCE/PHASE (mH) @1KHz		5.1±20%	20.4±20%	5.1±20%
HOLDING TORQUE (Nm) [lb-in]		1.32 [11.71]	1.87 [16.52]	1.87 [16.52]
DETENT TORQUE (Nm) [lb-in]		0.068 [0.602]		
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)		
ROTOR INERTIA (Kg-m ²) [lb-in ²]		4.8x10 ⁻⁵ [0.164]		
WEIGHT (Kg) [lb]		1.0 [2.2]		



UNIPOLAR	TYPE OF CONNECTION (EXTERN)			MOTOR		
	1WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL	CONNECTOR PIN NO.	LEADS	WINDING
A	A	A	A	1	BLK	A
COM	A			3	BLK/WHT	
A\		A\	A\	2	GRN/WHT	A\
B	B	B	B	4	GRN	B
COM	B			5	RED	
B\		B\	B\	7	RED/WHT	B\
				6	BLU/WHT	
				8	BLU	

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

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



TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		AXIAL-FORCE Fa (N)		Fa=15	
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]		DISTANCE a (mm)		5	10
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		RADIAL-FORCE Fr (N)		130	90
INSULATION CLASS B 130° [266°F]				70	52
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		SHAFT PLAY (mm)		AXIAL	RADIAL
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		AT LOAD MAX: (N)		0.08	0.02
				4.5	4.5

REV	DESCRIPTION	DATE	APVD
4	NEW VALUE OF HOLD. TOR.	04.11.13	J.D.
3	NEW UL NO.+VALUE OF BACK-EMF	20.07.09	J.W.
2	TECHNICAL DATE	09.04.08	J.W.

Nanotec
PLUG & DRIVE

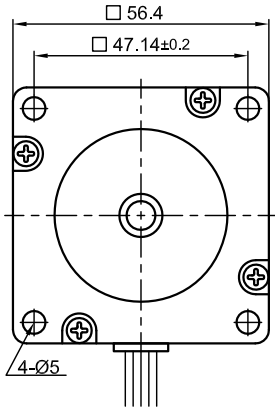
ST5918L2008

SCALE	FREE	APVD	S.H.a.	19.03.07
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	21.11.06
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

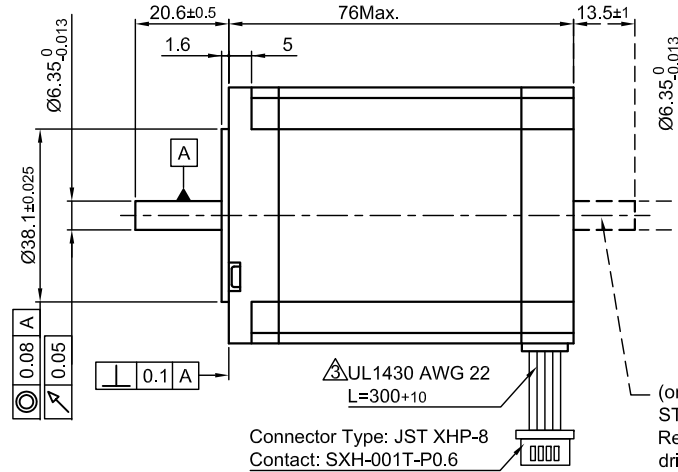
STEPPING MOTOR

DWG.NO ST5918L2008

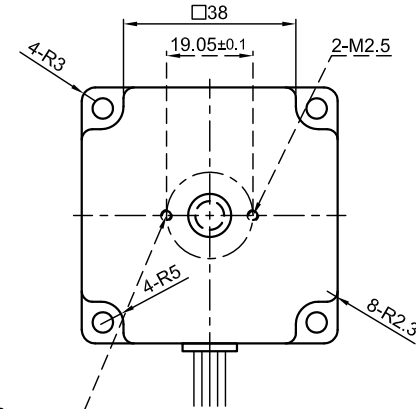
Front view and mounting



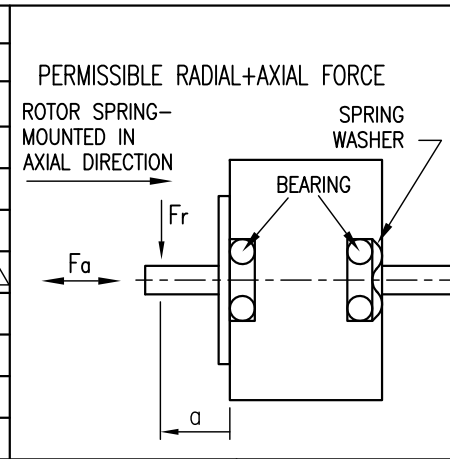
Side view



Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		4.8		
AMPS/PHASE		2.0	1.41	2.82
RESISTANCE/PHASE (Ohms)@25°C		2.4±10%	4.8±10%	1.2±10%
INDUCTANCE/PHASE (mH) @1KHz		5.1±20%	20.4±20%	5.1±20%
HOLDING TORQUE (Nm) [lb-in]		1.32 [11.71]	1.87 [16.52]	1.87 [16.52]
DETENT TORQUE (Nm) [lb-in]		0.068 [0.602]		
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)		
ROTOR INERTIA (Kg-m ²) [lb-in ²]		4.8x10 ⁻⁵ [0.164]		
WEIGHT (Kg) [lb]		1.0 [2.2]		

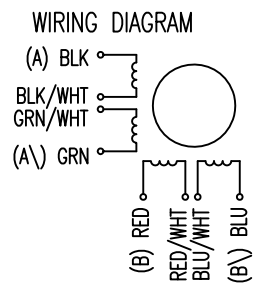


TYPE OF CONNECTION (EXTERN)	MOTOR					
	UNIPOLAR	BIPOLAR		CONNECTOR PIN NO.	LEADS	WINDING
A	A	A	A	1	BLK	A
COM	A			3	BLK/WHT	
A\		A\	A\	2	GRN/WHT	A\
B	B	B	B	4	GRN	B
COM	B			5	RED	
B\		B\	B\	7	RED/WHT	B\
				6	BLU/WHT	
				8	BLU	

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=15
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)	0.08 0.02
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5 4.5

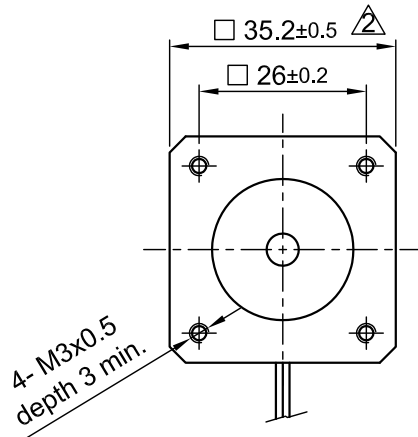
FULL STEP 2 PHASE-Ex., WHEN FACING MOUNTING END (X)

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

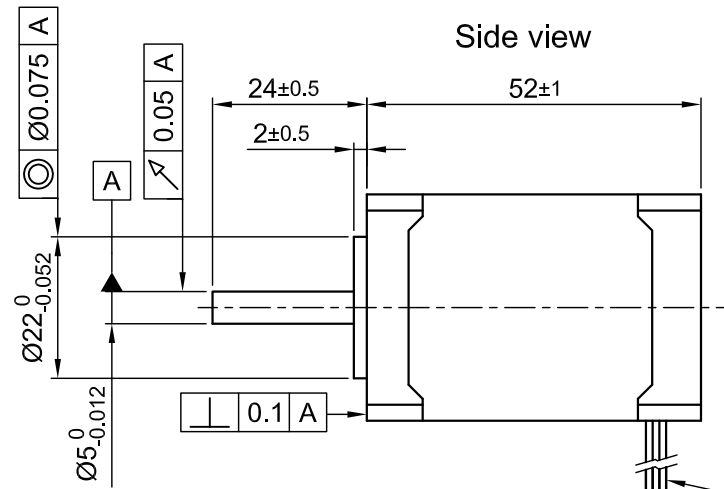


4	NEW VALUE OF HOLD. TOR.	04.11.13	J.D.		SCALE FREE	APVD	S.Ha.	19.03.07	<p>STEPPING MOTOR</p> <p>DWG.NO</p> <p>ST5918L2008</p>
3	NEW UL NO.+VALUE OF BACK-EMF	20.07.09	J.W.		X ±0.5	CHKD			
2	TECHNICAL DATE	09.04.08	J.W.		1PL ±0.2	DRN	J.W.	21.11.06	
REV	DESCRIPTION	DATE	APVD		2PL ±0.1	SIGNATURE		DATE	
				ANGLE ±30'					

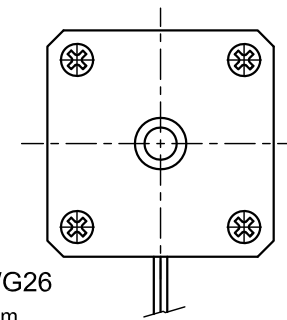
Front view and mounting



Side view



Rear view

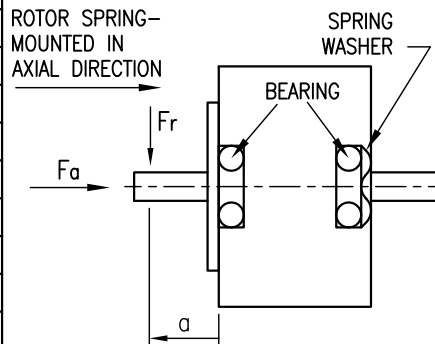


UL1430 AWG26
L = 300 +10mm

Connector: JST XHP-4
Contact: SXH-001T-P0.6

SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		4.08
AMPS/PHASE		1.2
RESISTANCE/PHASE (Ohms)@25°C		3.4±15%
INDUCTANCE/PHASE (mH) @1KHz		4.5±20%
HOLDING TORQUE (Nm) [lb-in]		0.23 [2.04]
DETENT TORQUE (Nm) [lb-in]		1.15x10 ⁻² [0.102]
STEP ANGLE (°)		1.8
STEP ACCURACY (NON-ACCUM)		±5%
ROTOR INERTIA (Kg-m ²) [lb-in ²]		4.3x10 ⁻⁶ [0.148]
WEIGHT (Kg) [lb]		0.3 [0.67]

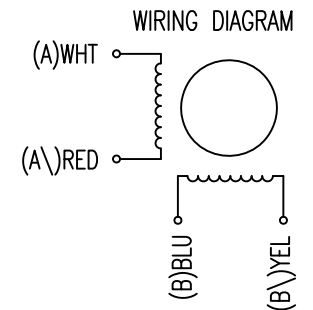
PERMISSIBLE RADIAL+AXIAL FORCE



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

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

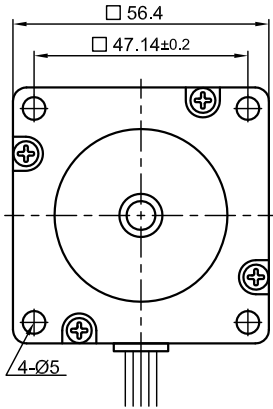
STEP	A	B	A\	B\	CCW	CW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↓	↑



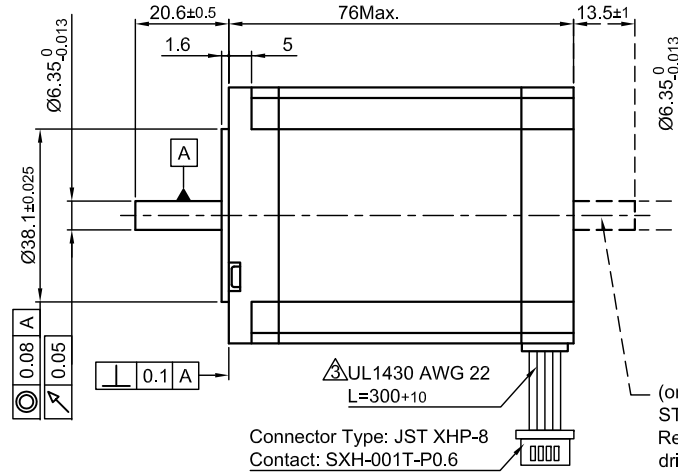
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=10			
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5	10	15	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	58	36	26	20
INSULATION CLASS B 130° [266°F]		AXIAL		RADIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.08		0.02	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5		4.5	

2	revise drawing	21.09.16	A.S.	 Nanotec [®] PLUG & DRIVE			APVD	S.Ha.	26.01.10	STEPPING MOTOR DWG.NO ST3518L1204-A
1	BACK-EMF SUPPLEMENTED	24.05.11	J.W.				CHKD			
REV	DESCRIPTION	DATE	DRN	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	J.W.	26.01.10	
							SIGNATURE	DATE		

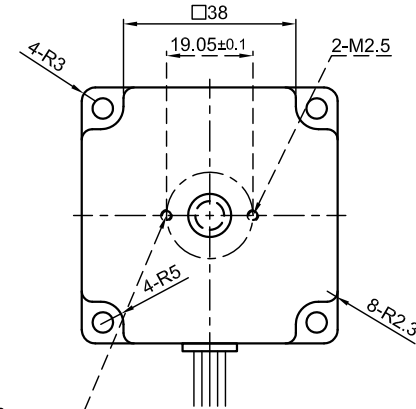
Front view and mounting



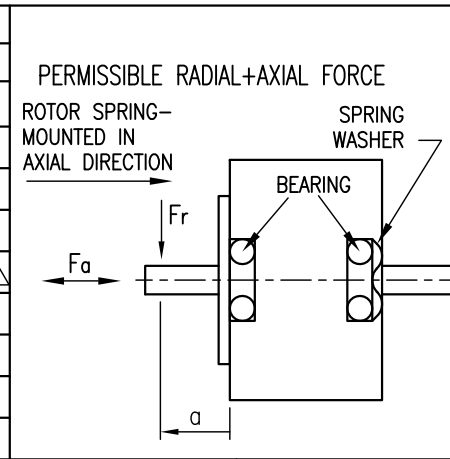
Side view



Rear view



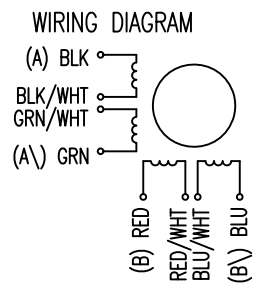
SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		4.8		
AMPS/PHASE		2.0	1.41	2.82
RESISTANCE/PHASE (Ohms)@25°C		2.4±10%	4.8±10%	1.2±10%
INDUCTANCE/PHASE (mH) @1KHz		5.1±20%	20.4±20%	5.1±20%
HOLDING TORQUE (Nm) [lb-in]		1.32 [11.71]	1.87 [16.52]	1.87 [16.52]
DETENT TORQUE (Nm) [lb-in]		0.068 [0.602]		
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)		
ROTOR INERTIA (Kg-m ²) [lb-in ²]		4.8x10 ⁻⁵ [0.164]		
WEIGHT (Kg) [lb]		1.0 [2.2]		



UNIPOLAR	TYPE OF CONNECTION (EXTERN)			MOTOR		
	1WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL	CONNECTOR PIN NO.	LEADS	WINDING
A	A	A	A	1	BLK	A
COM	A			3	BLK/WHT	
A\		A\	A\	2	GRN/WHT	A\
B	B	B	B	4	GRN	B
COM	B			5	RED	
B\		B\	B\	7	RED/WHT	B\
				6	BLU/WHT	
				8	BLU	

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

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



TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		AXIAL-FORCE Fa (N)		Fa=15	
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]		DISTANCE a (mm)		5	10
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		RADIAL-FORCE Fr (N)		130	90
INSULATION CLASS B 130° [266°F]				70	52
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		SHAFT PLAY (mm)		0.08	0.02
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		AT LOAD MAX: (N)		4.5	4.5

REV	DESCRIPTION	DATE	APVD
4	NEW VALUE OF HOLD. TOR.	04.11.13	J.D.
3	NEW UL NO.+VALUE OF BACK-EMF	20.07.09	J.W.
2	TECHNICAL DATE	09.04.08	J.W.

Nanotec
PLUG & DRIVE

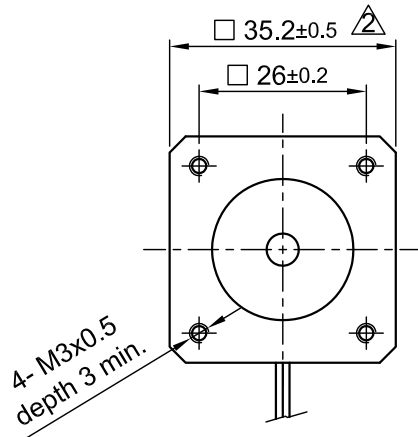
ST5918L2008

SCALE	FREE	APVD	S.Ha.	19.03.07
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	21.11.06
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

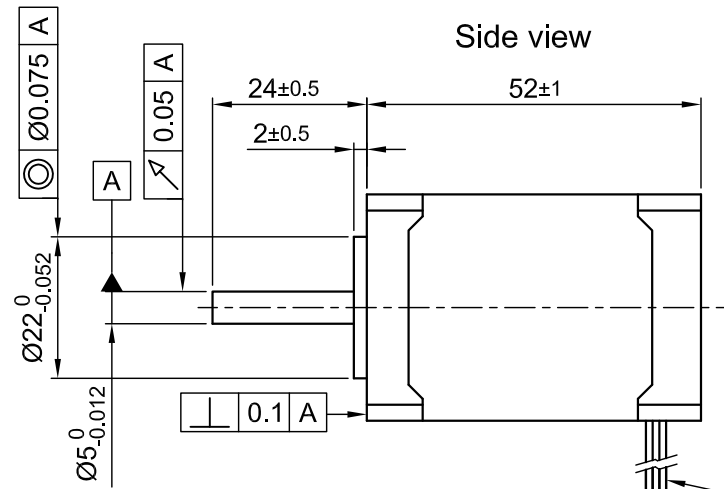
STEPPING MOTOR

DWG.NO ST5918L2008

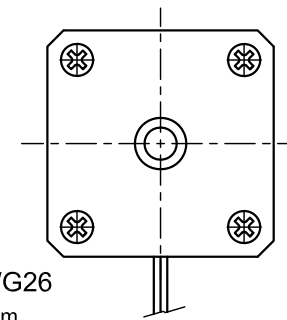
Front view and mounting



Side view



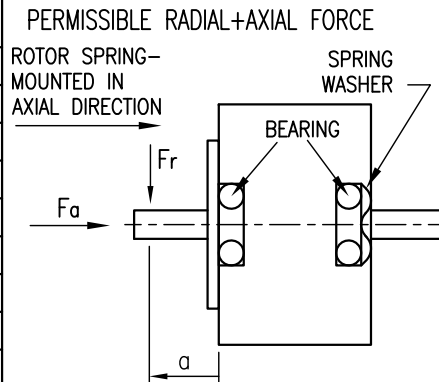
Rear view



Connector: JST XHP-4
Contact: SXH-001T-P0.6

UL1430 AWG26
L = 300 +10mm

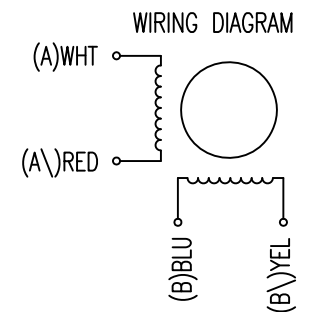
SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		4.08
AMPS/PHASE		1.2
RESISTANCE/PHASE (Ohms)@25°C		3.4±15%
INDUCTANCE/PHASE (mH) @1KHz		4.5±20%
HOLDING TORQUE (Nm) [lb-in]		0.23 [2.04]
DETENT TORQUE (Nm) [lb-in]		1.15x10 ⁻² [0.102]
STEP ANGLE (°)		1.8
STEP ACCURACY (NON-ACCUM)		±5%
ROTOR INERTIA (Kg-m ²) [lb-in ²]		4.3x10 ⁻⁶ [0.148]
WEIGHT (Kg) [lb]		0.3 [0.67]



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

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

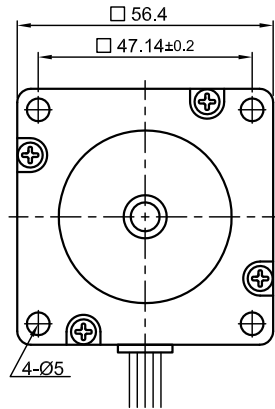
STEP	A	B	A\	B\	CCW	CW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↓	↑



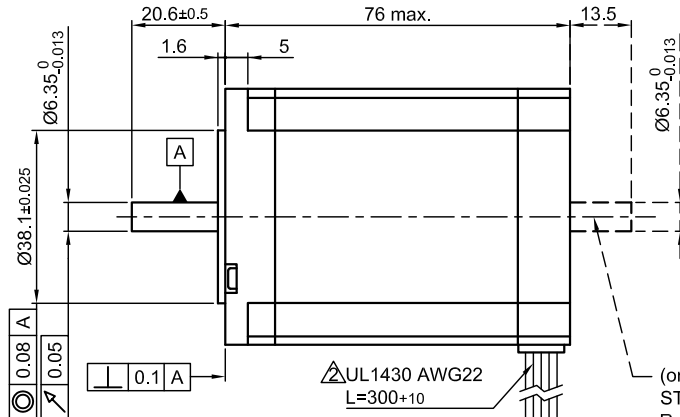
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	AXIAL-FORCE Fa (N)	Fa=10			
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5	10	15	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	58	36	26	20
INSULATION CLASS B 130° [266°F]			AXIAL	RADIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.08		0.02	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5		4.5	

2	revise drawing	21.09.16	A.S.	 Nanotec [®] PLUG & DRIVE			APVD	S.Ha.	26.01.10	STEPPING MOTOR DWG.NO ST3518L1204-A
1	BACK-EMF SUPPLEMENTED	24.05.11	J.W.				CHKD			
REV	DESCRIPTION	DATE	DRN	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	J.W.	26.01.10	
							SIGNATURE	DATE		

Front view and mounting

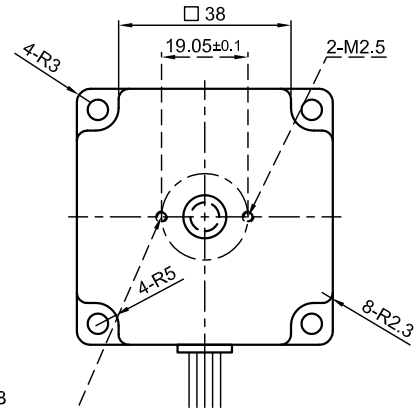


Side view

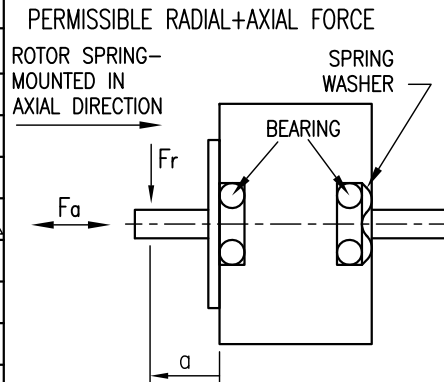


UL1430 AWG22 L=300+10
Connector Type: JST XHP-8
Contact: SXH-001T-P0.6
(only for type ST5918L1008-B Ready for encoder+ driver mount)

Rear view



SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		8.8		
AMPS/PHASE		1.0	0.71	1.41
RESISTANCE/PHASE (Ohms)@25°C		8.8±10%	17.6±10%	4.4±10%
INDUCTANCE/PHASE (mH) @1KHz		19±20%	76±20%	19±20%
HOLDING TORQUE (Nm) [lb-in]		1.32 [11.71] Δ	1.87 [16.52] Δ	1.87 [16.52] Δ
DETENT TORQUE (Nm) [lb-in]		0.068 [0.602]		
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)		
ROTOR INERTIA (Kg-m ²) [lb-in ²]		4.8x10 ⁻⁵ [0.164]		
WEIGHT (Kg) [lb]		1.0 [2.2]		
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)				
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]				
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)				
INSULATION CLASS B 130° [266°F]				
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)				
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)				

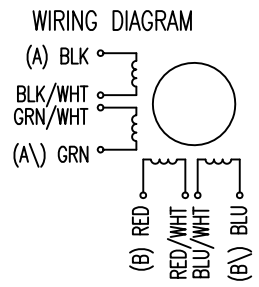


	AXIAL-FORCE Fa (N)			
	Fa=15			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	130	90	70	52
	AXIAL	RADIAL		
SHAFT PLAY (mm)	0.08	0.02		
AT LOAD MAX: (N)	4.5	4.5		

TYPE OF CONNECTION (EXTERN)				MOTOR		
UNIPOLAR	BIPOLAR 1WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL	CONNECTOR PIN NO. (A)	LEADS	WINDING
A	A	A	A	1	BLK	A
COM	A			3	BLK/WHT	
A\	B	A\	A\	2	GRN/WHT	A\
B	B	B	B	4	GRN	B
COM	B			5	RED	
B\		B\	B\	7	RED/WHT	B\
				6	BLU/WHT	
				8	BLU	

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

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



3	NEW VALUE OF HOLD. TOR.	04.11.13.	J.D.
2	UL NO.	17.07.09.	J.W.
1	PIN-ASSIGNMENT	04.01.08	J.W.
REV	DESCRIPTION	DATE	APVD



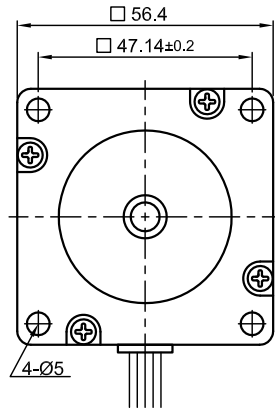
ST5918L1008

SCALE FREE	APVD	S.Ha.	19.03.07
X ±0.5	CHKD		
1PL ±0.2	DRN	J.W.	21.11.06
2PL ±0.1	SIGNATURE		DATE
ANGLE ±30'			

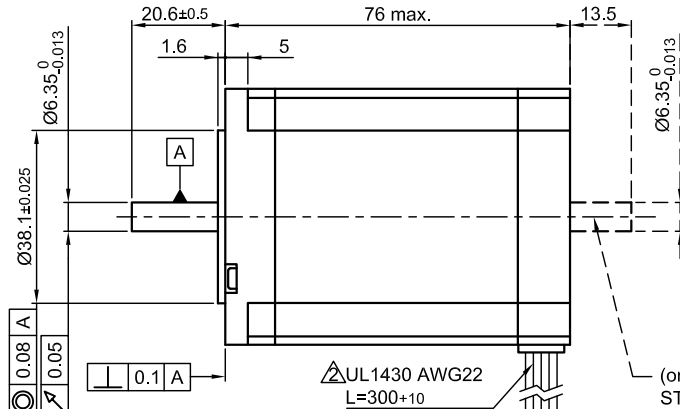
STEPPING MOTOR

DWG.NO ST5918L1008

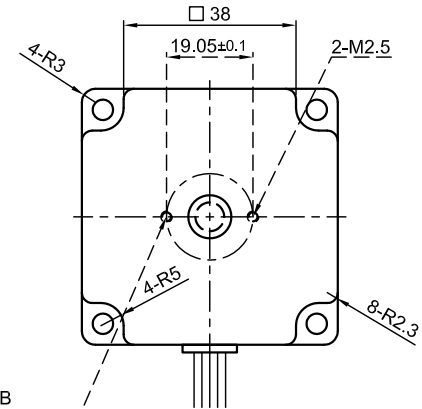
Front view and mounting



Side view

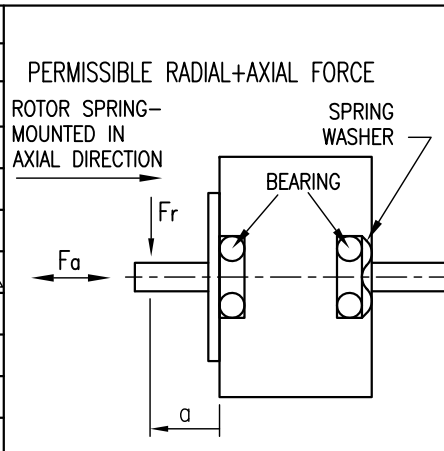


Rear view



Connector Type: JST XHP-8
Contact: SXH-001T-P0.6
(only for type ST5918L1008-B Ready for encoder+ driver mount)

SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
			SERIAL	PARALLEL
VOLTAGE (VDC)		8.8		
AMPS/PHASE		1.0	0.71	1.41
RESISTANCE/PHASE (Ohms)@25°C		8.8±10%	17.6±10%	4.4±10%
INDUCTANCE/PHASE (mH) @1KHz		19±20%	76±20%	19±20%
HOLDING TORQUE (Nm) [lb-in]		1.32 [11.71] Δ	1.87 [16.52] Δ	1.87 [16.52] Δ
DETENT TORQUE (Nm) [lb-in]		0.068 [0.602]		
STEP ANGLE (°) ± ACCURACY		1.8±5% (NON-ACCUM)		
ROTOR INERTIA (Kg-m ²) [lb-in ²]		4.8x10 ⁻⁵ [0.164]		
WEIGHT (Kg) [lb]		1.0 [2.2]		
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)				
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]				
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)				
INSULATION CLASS B 130° [266°F]				
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)				
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)				

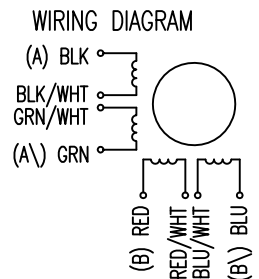


	AXIAL-FORCE Fa (N)			
	5	10	15	20
AXIAL-FORCE Fa (N)	Fa=15			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	130	90	70	52
		AXIAL	RADIAL	
SHAFT PLAY (mm)	0.08	0.02		
AT LOAD MAX: (N)	4.5	4.5		

TYPE OF CONNECTION (EXTERN)				MOTOR		
UNIPOLAR	BIPOLAR 1WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL	CONNECTOR PIN NO. Δ	LEADS	WINDING
A	A	A	A	1	BLK	A
COM	A			3	BLK/WHT	
A\	B	A\	A\	2	GRN/WHT	A\
B	B	B	B	4	GRN	B
COM	B			5	RED	
B\		B\	B\	7	RED/WHT	B\
				6	BLU/WHT	
				8	BLU	

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

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



3	NEW VALUE OF HOLD. TOR.	04.11.13.	J.D.
2	UL NO.	17.07.09.	J.W.
1	PIN-ASSIGNMENT	04.01.08	J.W.
REV	DESCRIPTION	DATE	APVD



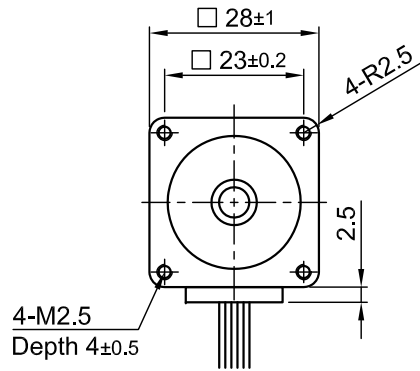
ST5918L1008

SCALE FREE	APVD	S.Ha.	19.03.07
X ±0.5	CHKD		
1PL ±0.2	DRN	J.W.	21.11.06
2PL ±0.1	SIGNATURE		DATE
ANGLE ±30'			

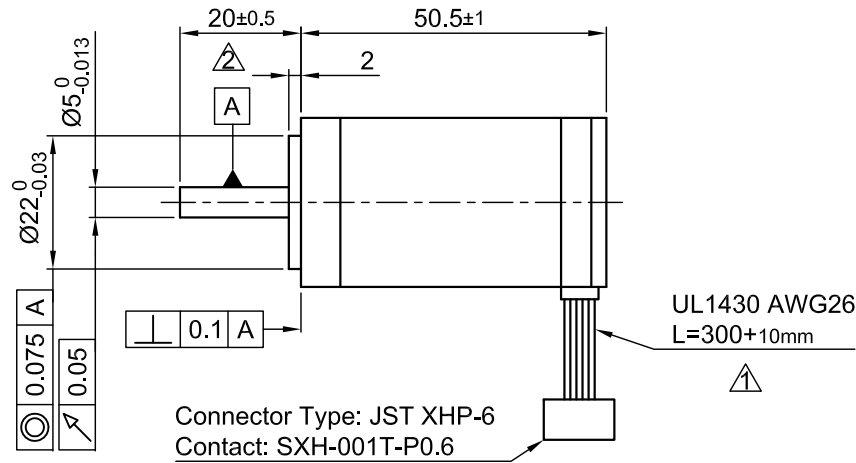
STEPPING MOTOR

DWG.NO ST5918L1008

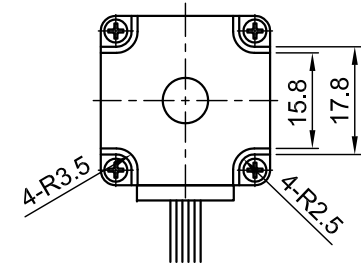
Front view and mounting



Side view

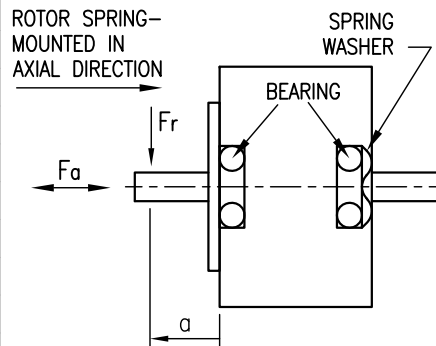


Rear view



SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	4.37	6.16
AMPS/PHASE	0.95	0.67
RESISTANCE/PHASE (Ohms)@25°C	4.6±15%	9.2±15%
INDUCTANCE/PHASE (mH) @1KHz	1.8±20%	7.2±20%
HOLDING TORQUE (Nm) [lb-in]	0.09 [0.797]	0.127 [1.124]
DETENT TORQUE (Nm) [lb-in]	4.5x10 ⁻³ [0.04]	
STEP ANGLE (°)	1.8	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]	1.8x10 ⁻⁶ [6.15x10 ⁻³]	
WEIGHT (Kg) [lb]	0.25 [0.551]	

PERMISSIBLE RADIAL+AXIAL FORCE

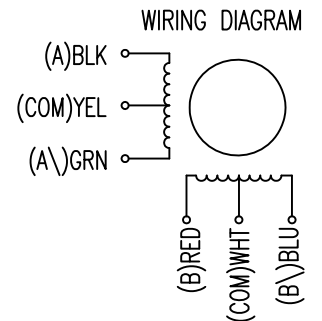


TYPE OF CONNECTION (EXTERN)	MOTOR				
	BIPOLAR		CONNECTOR PIN NO.	LEADS	WINDING
UNIPOLAR	1 WINDING	SERIAL			
A	A	A	1	BLK	A
COM	COM		5	YEL	COM
A\		A\	3	GRN	A\
B	B	B	2	RED	B
COM	COM		6	WHT	COM
B\		B\	4	BLU	B\

for >speed ←
for <speed ←

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

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



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	10	15	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	58	36	26	20
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)	0.075		0.025	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	10		5.0	

REV	DESCRIPTION	DATE	APVD
2	CHANGE TOLERANCE	21.02.14	J.D.
1	NEW VALUE OF INDUCTANCE+NEW UL NO.	25.10.11	J.W.



ST2818L1006-A

SCALE	FREE	APVD	S.K.	06.06.06
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	06.06.06
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

STEPPING MOTOR

DWG.NO

ST2818L1006-A