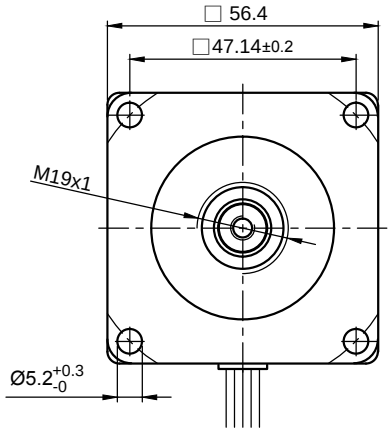
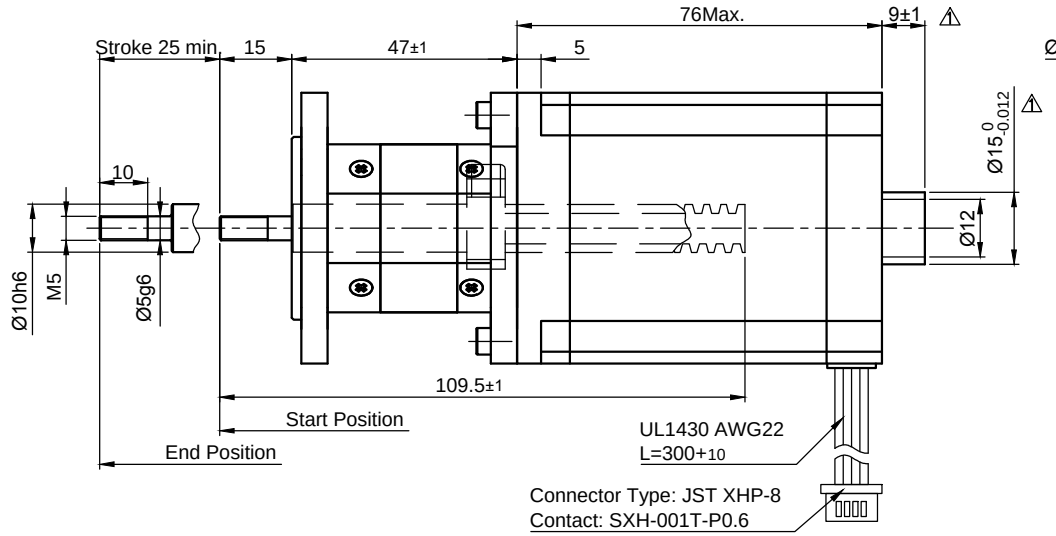
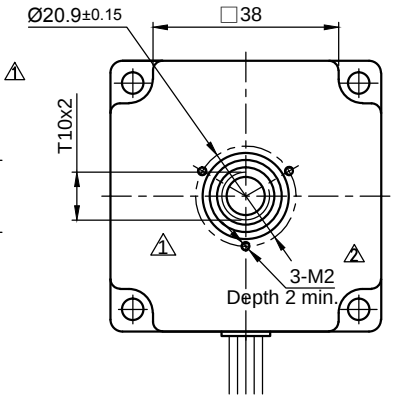
Front view and mounting



Side view



Rear view



SPECIFICATION	UNIPOLAR OR BIPOLAR–1 WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL
AMPS/PHASE	3.0	2.1	4.2
RESISTANCE/PHASE (Ohms)@25°C	1.0±10%	2.0±10%	0.5±10%
INDUCTANCE/PHASE (mH) @1KHz	2.2±20%	8.8±20%	2.2±20%
SPINDLE PITCH (mm) [in]	2 [0.078]		
THRUST (N) (lb)	1000 [225]		
RESOLUTION (mm/FULLSTEP)	0.01		
STATIC THRUST (NO CURRENT)	>1000 ⚠1		
MAX. SPEED (mm/sec.) at 48V	80		
MAX. SPEED WITH MAX. THRUST (mm/sec.)	25		
WEIGHT (Kg) [lb]	1.15 [2.53]		
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)			

Please regard the application note at www.nanotec.com for further informations.

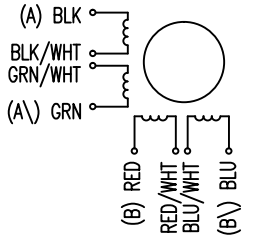
Shaft play is adjustable at the motor.

TYPE OF CONNECTION (EXTERN)				MOTOR		
UNIPOLAR	BIPOLAR 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	
COM	B			5	RED	B
B\		B\	B\	7	RED/WHT	
				6	BLU/WHT	
				8	BLU	B\

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

STEP	A	B	A\	B\		CCW
1	+	+	–	–		
2	–	+	+	–		
3	–	–	+	+		
4	+	–	–	+	CW	

WIRING DIAGRAM



REV	DESCRIPTION	DATE	APVD
2	3–M2 DEPTH	14.08.15	GYQ
1	B–SHAFT+ENCODER HOLE+UPDT.DATA	28.04.15	GYQ

Nanotec PLUG & DRIVE

L5918L3008–T10x2–A25

SCALE FREE		APVD	G.S.	28.04.15
X	±0.5	CHKD	ZYL	03.09.10
1PL	±0.2	DRN	GYQ	03.09.10
2PL	±0.1			
ANGLE	±30'	SIGNATURE		DATE

LINEAR AKTUATOR

DWG.NO

L5918L3008–T10x2–A25