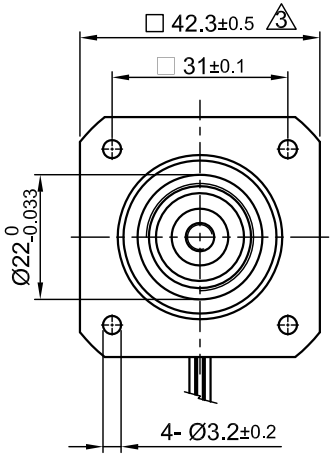
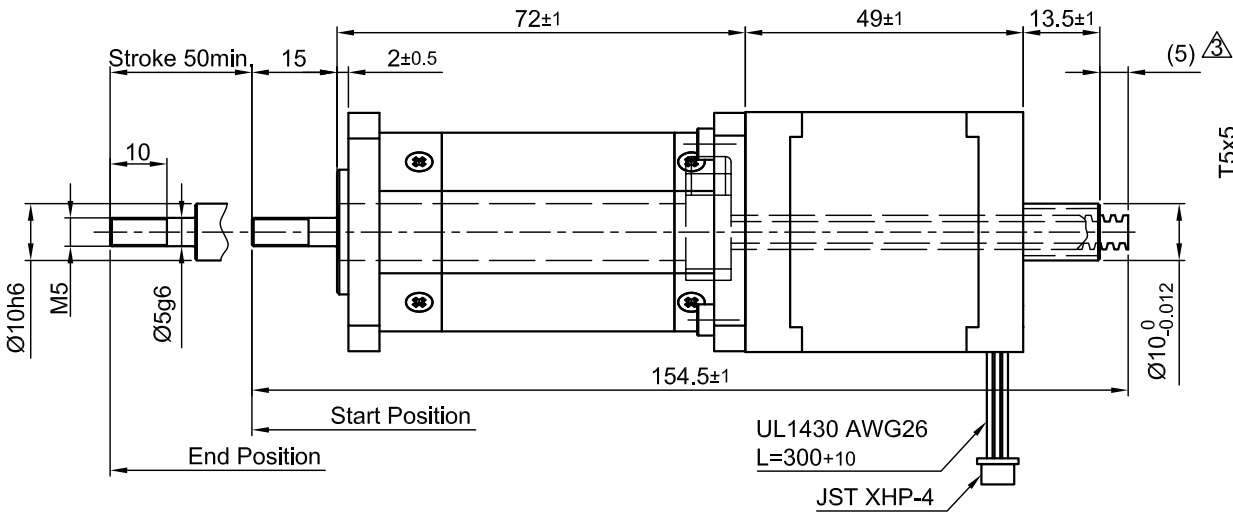
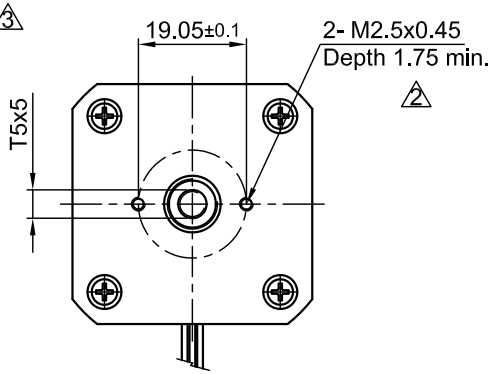
Front view and mounting



Side view



Rear view



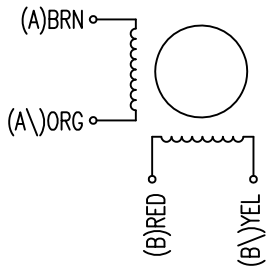
SPECIFICATION	
AMPS/PHASE	1.8
RESISTANCE/PHASE (Ohms)@25°C	1.75±15%
INDUCTANCE/PHASE (mH) @1KHz	3.3±20%
SPINDLE PITCH (mm) [in]	5 [0.197]
THRUST (N)	250 1
RESOLUTION (mm/FULLSTEP)	0.025
STATIC THRUST (N) (NO CURRENT)	40
MAX. SPEED (mm/sec.) AT 48V	60 1
WEIGHT (Kg) [lb]	0.54 [1.19]
TEMPERATURE RISE: MAX.80°C (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	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	BRN	A
2	A\ —	ORG	A\
3	B —	RED	B
4	B\ —	YEL	B\

WIRING DIAGRAM



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

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

REV	DESCRIPTION	DATE	DRN
3	change tolerance	14.09.16	A.S.
2	change depth threaded hole	16.07.15	A.S.
1(2x)	UPDT. DATA	26.09.14	J.D.

Nanotec® PLUG & DRIVE

Surface specification DIN ISO 1302 | General tolerances DIN ISO 2768- cH | Work piece edge DIN ISO 13715

APVD	S.R.	04.11.10
CHKD		
DRN	J.W.	04.11.10
SIGNATURE		DATE

LINEAR ACTUATOR

DWG.NO L4118L1804−T5x5−A50