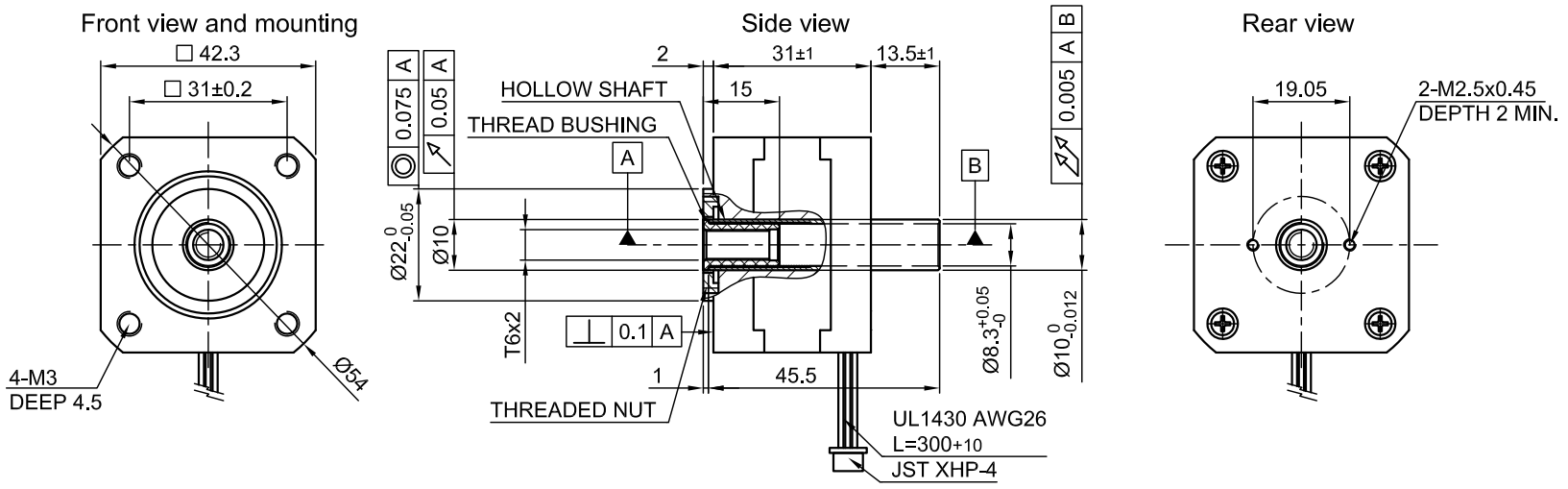
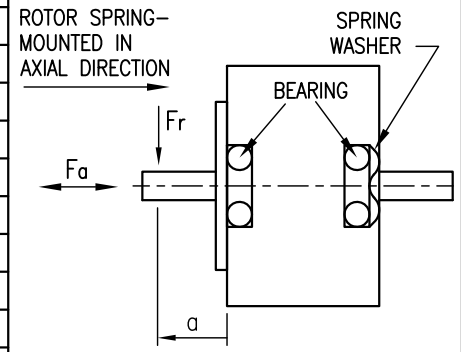


SPECIFICATION	
VOLTAGE (VDC)	2.8
AMPS/PHASE	1.4
RESISTANCE/PHASE (Ohms)@25°C	2.0±15%
INDUCTANCE/PHASE (mH) @1KHz	3.6±20%
SPINDLE PITCH (mm) [in]	2 [0.079]
TRUST (N) (lb)	120 [26.98]
RESOLUTION (mm/STEP)	0.010
STATIC TRUST (NO CURRENT)	
MAX. SPEED (mm/sec.)	40
MAX. SPEED WITH MAX. TRUST (mm/sec.)	12
WEIGHT (Kg) [lb]	0.2 [0.44]

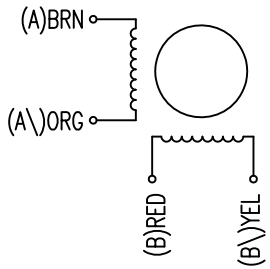
PERMISSIBLE RADIAL+AXIAL FORCE



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)	0.08		0.02	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5		4.5	

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	APVD

Nanotec® PLUG & DRIVE

L4118S1404-T6x2

SCALE FREE		APVD	S.H.	04.06.09
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	04.06.09
2PL	±0.1	SIGNATURE		DATE
ANGLE	±30'			

LINEAR AKTUATOR

DWG.NO

L4118S1404-T6x2