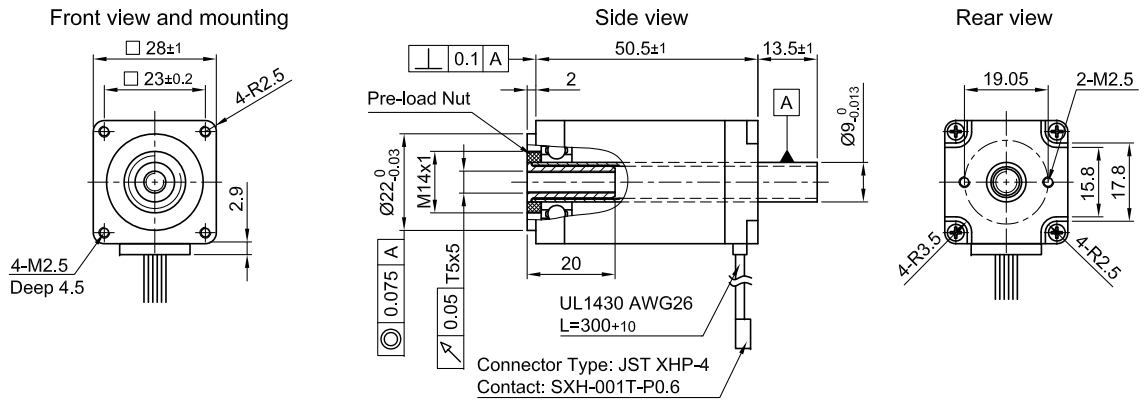


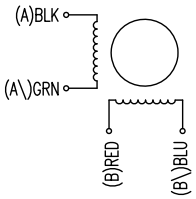
SPECIFICATION		
AMPS/PHASE	0.67	
RESISTANCE/PHASE (Ohms)@25°C	9.2±15%	
INDUCTANCE/PHASE (mH) @1KHz	7.2±20%	
SPINDLE PITCH (mm) [in]	5 [0.197]	
TRUST (N) [lbf]	60 [13.48]	
RESOLUTION (mm/STEP)	0.025	
STATIC TRUST (N) [lbf] (NO CURRENT)	17	
MAX. SPEED (mm/sec.) AT 48V	140	2
MAX. SPEED WITH MAX. TRUST (mm/sec.) AT 48V	50	2
WEIGHT (Kg) [lb]	0.19 [0.419]	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)		

Please regard the application note at www.nanotec.com for further informations. 1

Shaft play is adjustable at the motor.

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	BLK	A
2 1	A\ —	GRN	A\
3 1	B —	RED	B
4	B\ —	BLU	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
2	NEW VALUES	05.06.10	J.W.
1	PIN−ASSIGNMENT AND NOTE	21.05.10	J.W.

Nanotec® PLUG & DRIVE

L2818L0604−T5x5

SCALE FREE		APVD	S.Ha.	15.01.10
X	±0.5	CHKD		
1PL	±0.2	DRN	J.W.	15.01.10
2PL	±0.1			
ANGLE	±30'	SIGNATURE		DATE

LINEAR ACTUATOR

DWG.NO L2818L0604−T5x5

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