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

Shaft play is adjustable at the motor.

SPECIFICATION

AMPS/PHASE 0.67
RESISTANCE/PHASE (Ohms) @ 25°C 9.2 ± 15%
INDUCTANCE/PHASE (mH) @ 1KHz 7.2 ± 20%
SPINDLE PITCH [mm] 5 [0.197]
THRUST (N) [lbf] 60 [13.48]
RESOLUTION (mm/FULLSTEP) 0.025
MAX. THRUST (N) [lbf] (NO CURRENT) 17
MAX. SPEED (mm/sec.) AT 48V 140
WEIGHT (Kg) [lb] 0.39 [0.86]
TEMPERATURE RISE: MAX. 80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)
AMBIENT TEMPERATURE -10°C - 50°C [14°F - 122°F]
INSULATION CLASS B 130°C [266°F]
INSULATION RESISTANCE 100 MΩhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)

TYPE OF CONNECTION (EXTERN)

PIN NO  BIPOLAR  LEADS  WINDING
1  A  —  BLK  A
2  A  —  GRN  A
3  B  —  RED  B
4  B  —  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

(A)BLK (A)GRN (B)RED (B)BLU

Nanotect®
PLUG & DRIVE

LINÉAR ACTUATOR

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L2818L0604—T5x5—A50

SCALE FREE APVD CHKD S.R. 02.11.10 DWG.NO
| X | ±0.5 |
| 1PL | ±0.2 |
| 2PL | ±0.1 |
| ANGLE | ±30° |

SIGNATURE DATE
L2818L0604—T5x5—A50
J.W. 02.11.10