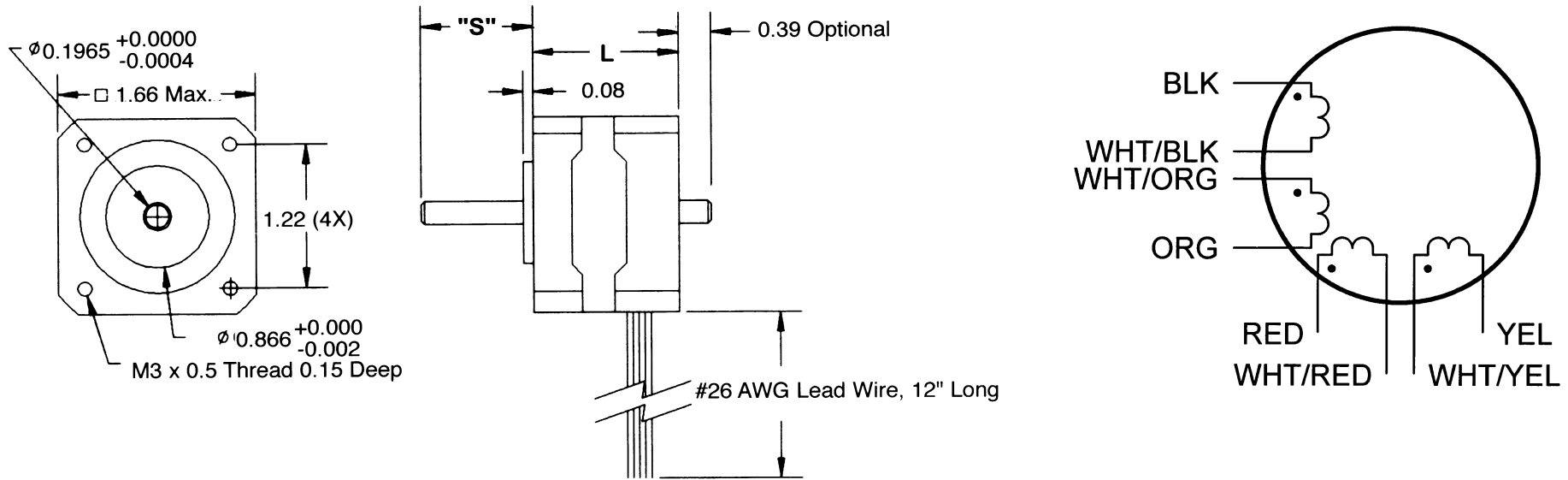


NEMA 17 L SERIES HIGH TORQUE STEP MOTOR



| MOTOR STACK LENGTH (1.8°) | "L" INCHES (mm) |
|---------------------------|-----------------|
| 1/2 | 1.22 (31) |
| 1 | 1.50 (38) |
| 2 | 1.77 (45) |
| MOTOR STACK LENGTH (0.9°) | "L" INCHES (mm) |
| 2 | 1.5 (38) |

| ANAHEIM AUTOMATION MOTOR CABLE | MOTOR PHASE |
|--------------------------------|-------------|
| RED | PHASE 1 |
| RED/ WHT | PHASE 3 |
| GRN | PHASE 2 |
| GRN/ WHT | PHASE 4 |
| WHT | COM 2 & 4 |
| BLK | COM 1 & 3 |

| CONNECTION FOR 8 LEAD MOTOR | LEAD COLOR | MOTOR PHASE |
|-----------------------------|---------------------|---------------|
| 4 - LEAD | BLK | PHASE 1 |
| BIPOLAR SERIES | ORG | PHASE 3 |
| | RED | PHASE 2 |
| | YEL | PHASE 4 |
| | WHT/ BLK & WHT/ ORG | COMMON |
| | WHT/ RED & WHT/ YEL | COMMON |
| 4- LEAD | BLK & WHT/ORG | PHASE 1 |
| BIPOLAR PARALLEL | ORG & WHT/BLK | PHASE 3 |
| | RED & WHT/YEL | PHASE 2 |
| | YEL & WHT/RED | PHASE 4 |
| 6 - LEAD | BLK | PHASE 1 |
| UNIPOLAR | ORG | PHASE 3 |
| | RED | PHASE 2 |
| | YEL | PHASE 4 |
| | WHT/ BLK & WHT/ ORG | COM PHASE 1&3 |
| | WHT/ RED & WHT/ YEL | COM PHASE 2&4 |

| |
|------------------------|
| LENGTH S (1.8°) |
| INCHES (mm) |
| 0.94 (23,87) |
| LENGTH S (0.9°) |
| INCHES (mm) |
| 0.77 (19,56) |

Anaheim Automation – High Torque NEMA 17 Frame Step Motors

| Model Number | Holding Torque 2 phases on (oz-in) | | Voltage per Phase (V/ phase) | Current per Phase (A/Phase) | | Resistance (ohm/phase) Unipolar | Inductance per Phase (mH/phase) Unipolar | Nominal Rotor Inertia (oz-in-sec-sec) | Shaft Diameter (in.) | Max Motor Length (in.) |
|--------------|--|---------|------------------------------------|--------------------------------|-------------------|---------------------------------------|---|---|----------------------------|------------------------------|
| | Unipolar | Bipolar | | Unipolar | Bipolar Series | | | | | |
| 17L002_-LW8 | 27 | 38 | 2.6 | 1.0 | 0.7 | 2.6 | 1.5 | .0003 | .20 | 1.22 |
| 17L102_-LW8 | 45 | 63 | 5.0 | 1.0 | 0.7 | 5.0 | 4.5 | .0006 | .20 | 1.50 |
| 17L202_-LW8 | 55 | 77 | 5.5 | 1.0 | 0.7 | 5.5 | 5.5 | .0007 | .20 | 1.77 |
| 17L203_-LW8 | 55 | 77 | 3.3 | 1.5 | 1.1 | 2.2 | 2.0 | .0007 | .20 | 1.77 |

| Model Number 0.9 degree | Holding Torque 2 phases on (oz-in) | | Voltage per Phase (V/ phase) | Current per Phase (A/Phase) | | Resistance (ohm/phase) Unipolar | Inductance per Phase (mH/phase) Unipolar | Nominal Rotor Inertia (oz-in-sec-sec) | Shaft Diameter (in.) | Max Motor Length (in.) |
|----------------------------|--|---------|------------------------------------|--------------------------------|-------------------|---------------------------------------|---|---|----------------------------|---------------------------------|
| | Unipolar | Bipolar | | Unipolar | Bipolar Series | | | | | |
| 17L9203_-LW8 | 20 | 28 | 1.5 | 1.0 | 0.7 | 1.0 | 1.0 | .0003 | .20 | 1.50 |