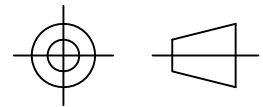
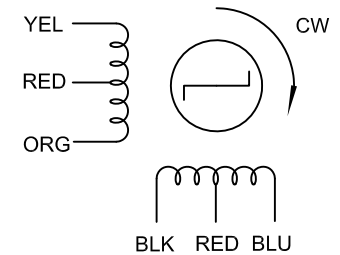


| SPECIFICATION                                                                        | VALUE       |
|--------------------------------------------------------------------------------------|-------------|
| NO. OF PHASE                                                                         | 4           |
| AMPS/PHASE                                                                           | 0.40        |
| RESISTANCE/PHASE(Ohms)@20°C                                                          | 40±7%       |
| INDUCTANCE/PHASE(mH)@1KHz                                                            | 20±20%      |
| HOLDING TORQUE(mN.m)[lb-in]                                                          | >53.9[0.48] |
| LINEAR TRAVEL/STEP(mm)                                                               | 0.0104      |
| LEAD(mm)                                                                             | 0.5         |
| STEP ANGLE(°)                                                                        | 7.5±7%      |
| PULL-IN RATE(PPS)                                                                    | 350         |
| PULL-IN TORQUE(mN.m)@200PPS                                                          | 6.86        |
| DETENT TORQUE(mN.m)                                                                  | <12.25      |
| ROTOR INERTIA(g-cm <sup>2</sup> )                                                    | <9.6        |
| WEIGHT(g)[lb]                                                                        | 100[0.22]   |
| LIFE(h)@20°C 200PPS                                                                  | 3000 MIN    |
| INSULATION RESISTANCE(MΩ) @DC 500V                                                   | 100         |
| TEMPERATURE RISE:MAX.75°C                                                            |             |
| AMBIENT TEMPERATURE -10°C~40°C[14°F~104°F]                                           |             |
| INSULATION CLASS E 120°C[248°F]                                                      |             |
| DIELECTRIC STRENGTH 650±50VAC FOR 2SEC.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE ) |             |

FULL STEP 4 PHASE-Ex. ,  
WHEN FACING MOUNTING END (X)

| PIN NO. | WIRE COLOR | STEP |   |   |   |
|---------|------------|------|---|---|---|
|         |            | 1    | 2 | 3 | 4 |
| 1       | YEL        | -    |   |   | - |
| 2       | BLK        | -    | - |   |   |
| 3       | RED        | +    | + | + | + |
| 4       | RED        | +    | + | + | + |
| 5       | ORG        |      | - | - |   |
| 6       | BLU        |      |   | - | - |



|       |           |  |           |
|-------|-----------|--|-----------|
| mm    | APVD      |  | 5.15.2019 |
| UNIT  | CHKD      |  |           |
| 2:1   | DRN       |  |           |
| SCALE | SIGNATURE |  | DATE      |

PM STEPPER MOTOR

42LN48S01-122