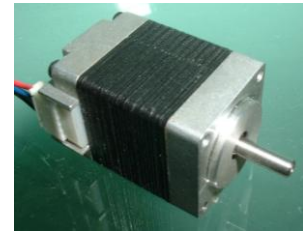


1.8° Size 20mm High Torque Hybrid Stepping Motor

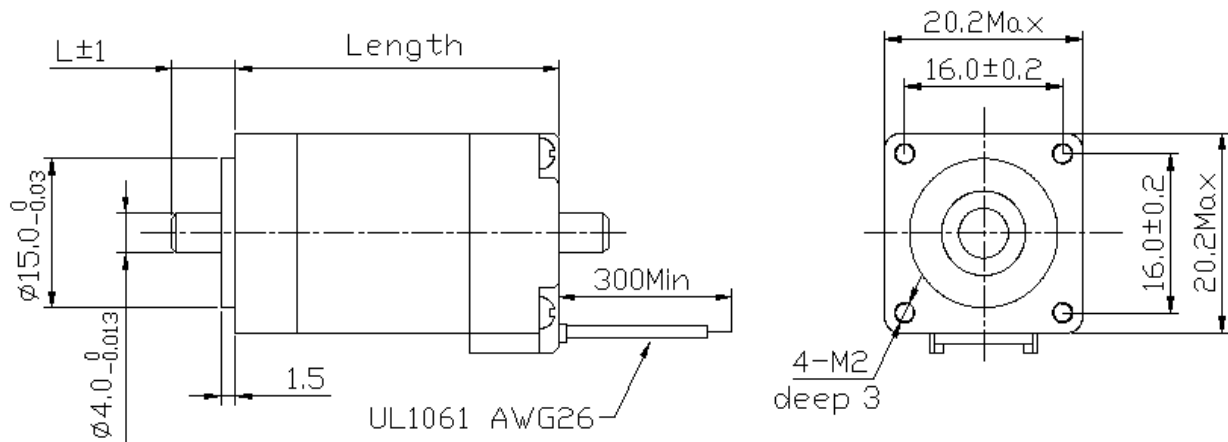
| Item | Specifications |
|-----------------------|--------------------------------------|
| Step Angle | 1.8° |
| Step Angle Accuracy | ±5% (full step, no load) |
| Resistance Accuracy | ±10% @20°C |
| Inductance Accuracy | ±20% @1kHz |
| Temperature Rise | 80° C Max.(rated current,2 phase on) |
| Ambient Temperature | -20° C~+50° C |
| Insulation Resistance | 100M Ω Min. ,500VDC |
| Dielectric Strength | 500VAC for one minute |
| Shaft Radial Play | 0.02Max. (450 g-load) |
| Shaft Axial Play | 0.08Max. (450 g-load) |
| Max. radial force | 20N |
| Max. axial force | 2N |



● Size 20mm High Torque Hybrid Stepping Motor Specifications

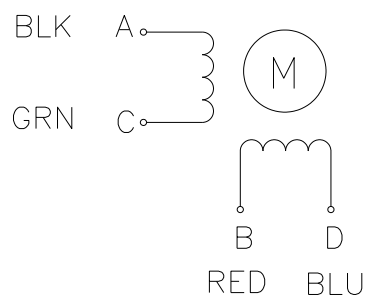
| Model No. | | Rated Voltage | Current /Phase | Resistance /Phase | Inductance /Phase | Holding Torque | # of Leads | Rotor Inertia | Weight | Length (Max) |
|-------------------|-------------------|---------------|----------------|-------------------|-------------------|----------------|------------|----------------------|--------|--------------|
| Single Shaft | Double Shaft | V | A | Ω | mH | g.cm | | kg-m ² | kg | mm |
| MST080A323L3AA0.6 | MST080A333L3AA0.6 | 3.9 | 0.6 | 6.5 | 1.7 | 180 | 4 | 2.0x10 ⁻⁷ | 0.06 | 30 |
| MST081A323L3AA0.6 | MST081A333L3AA0.6 | 3.9 | 0.6 | 6.5 | 1.7 | 180 | 4 | 2.0x10 ⁻⁷ | 0.06 | 33 |
| MST082A323L3AA0.8 | MST082A333L3AA0.8 | 4.32 | 0.8 | 5.4 | 1.5 | 300 | 4 | 3.6x10 ⁻⁷ | 0.08 | 42 |

● Dimension: :



L= 6.5/15

● Wiring Diagram:



● Pull out torque curve:

