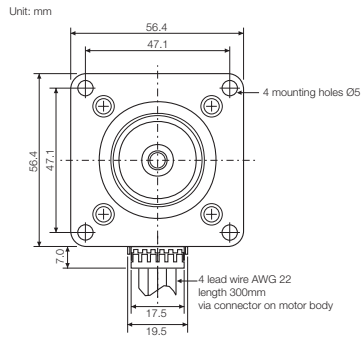


Hybrid Stepping Motors

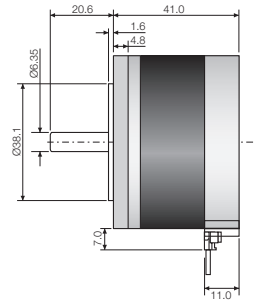
M234118C464

Issue 03:CN3817



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Miniature Motors, Transmission and Control

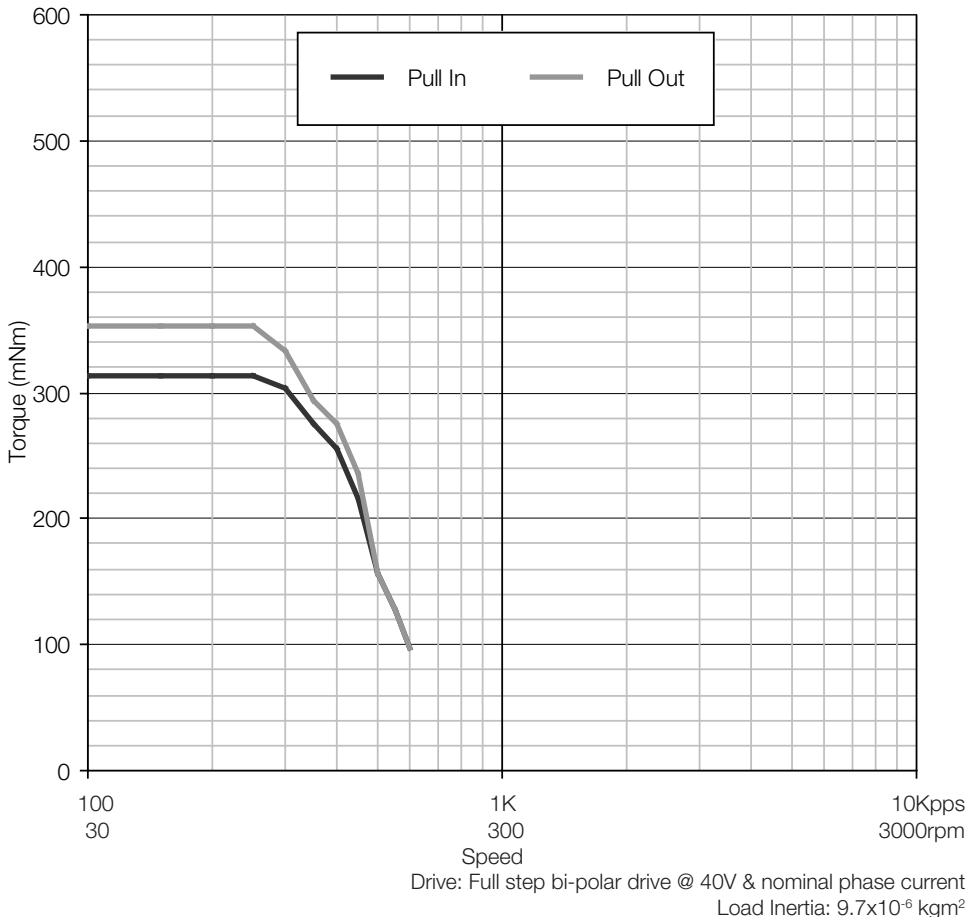


| Model Number | Phase voltage (V) | Phase current (A) | Phase resistance (Ω) | Phase inductance (mH) | Detent torque (mNm) | Winding |
|--------------|-------------------|-------------------|----------------------|-----------------------|---------------------|----------|
| M234118C464 | 17.0 | 0.27 | 64.0 | 160.0 | 30.0 | Bi-polar |

General Specification

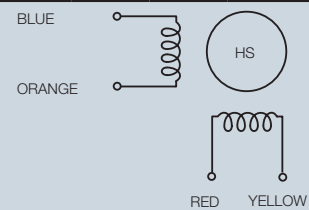
| | |
|-----------------------|--|
| Holding Torque | 500.0mNm |
| Step angle | 1.8° |
| Step accuracy | ± 5% |
| Rotor Inertia | 5.5 kgm ² x10 ⁻⁶ |
| Temperature rise | 80°C (max.) |
| Ambient temp. range | -20°C to +50°C |
| Insulation resistance | 100MΩ (min) at 500V DC |
| Dielectric strength | 500V AC 1min |
| Radial play | 0.02mm (max.) with 450g load |
| Weight | 360g |

Characteristics



Full step bi-polar sequence

| CW dir. | Step 1 | Step 2 | Step 3 | Step 4 |
|---------|--------|--------|--------|--------|
| Blue | - | + | + | - |
| Orange | + | - | - | + |
| Red | + | + | - | - |
| Yellow | - | - | + | + |



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