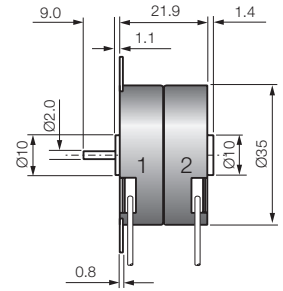
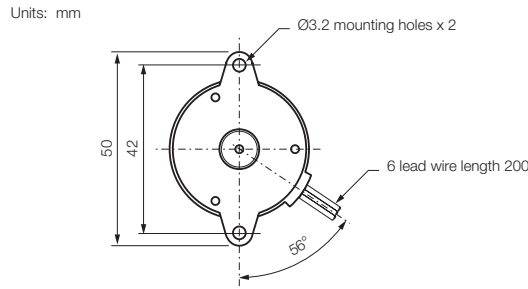


Permanent Magnet Stepping Motors

SYU3520-048

Issue 02:CN3815



| Model Number | Phase voltage (V) | Phase current (A) | Phase resistance (Ω) | Phase inductance (mH) | Winding |
|--------------------|-------------------|-------------------|-------------------------------|-----------------------|-----------|
| SYU3520-048-008-03 | 3 | 0.40 | 8 | 4 | Uni-polar |
| SYU3520-048-030-06 | 6 | 0.20 | 30 | 15 | |
| SYU3520-048-120-12 | 12 | 0.10 | 120 | 60 | |
| SYU3520-048-480-24 | 24 | 0.05 | 480 | 240 | |

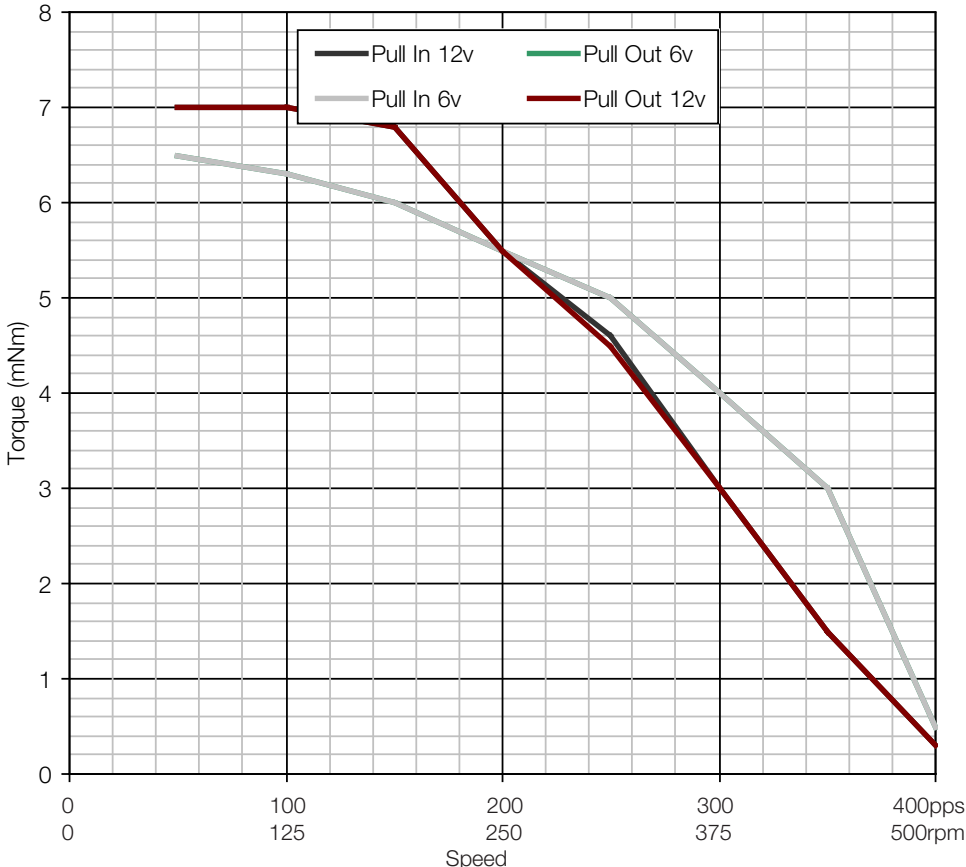
General Specification

| | |
|---------------------|--|
| Holding torque | 15mNm |
| Step angle | 7.5° |
| Rotor Inertia | 0.2 kgm ² x10 ⁻⁶ |
| Temperature rise | 60°C |
| Ambient temp. range | -5°C to +65°C |
| Dielectric strength | 500V AC 1sec |
| Weight | 69g |

Motor options

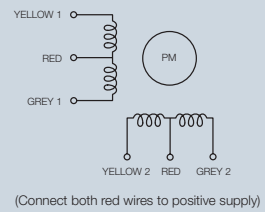
- Alternative voltage/phase resistance
- Alternative shaft lengths
- Alternative lead lengths

Characteristics



Full step uni-polar sequence

| CW dir. | Step 1 | Step 2 | Step 3 | Step 4 |
|----------|--------|--------|--------|--------|
| Yellow 1 | Off | On | On | Off |
| Grey 1 | On | Off | Off | On |
| Yellow 2 | Off | Off | On | On |
| Grey 2 | On | On | Off | Off |



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