

Permanent Magnet Stepping Motors

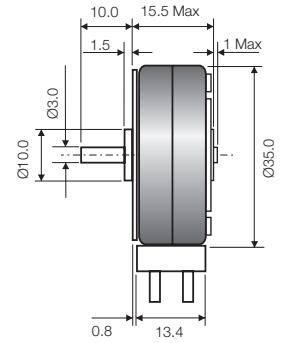
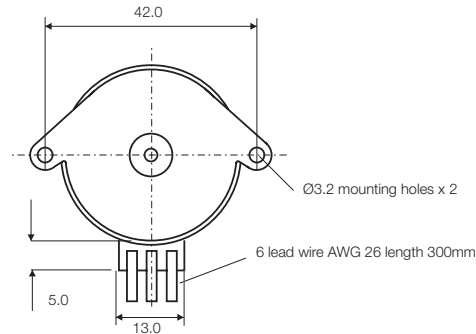
SU3516-048

Issue 05:CN3815

Rotalink

Miniature Motors, Transmission and Control

Units: mm

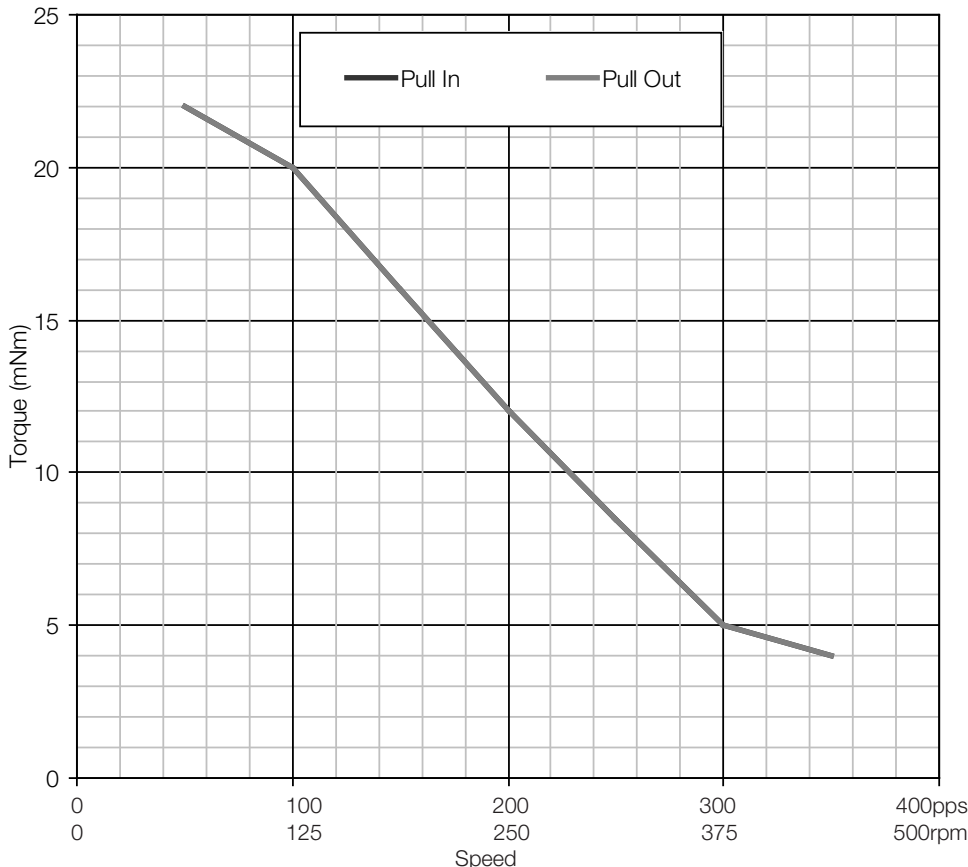


| Model Number | Phase voltage (V) | Phase current (A) | Phase resistance (Ω) | Phase inductance (mH) | Winding |
|-------------------|-------------------|-------------------|-------------------------------|-----------------------|-----------|
| SU3516-048-050-12 | 12 | 0.240 | 50 | 28.0 | Uni-polar |

General Specification

| | |
|---------------------|---|
| Holding torque | 39mNm |
| Step angle | 7.5° |
| Rotor Inertia | 0.32 kgm ² x10 ⁻⁶ |
| Temperature rise | 35°C |
| Ambient temp. range | -10°C to +50°C |
| Weight | 63g |

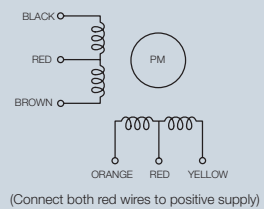
Characteristics



Drive: SM02 full step uni-polar drive @ nominal phase voltage & current
Load Inertia: 0.124x10⁻⁶ kgm²

Full step uni-polar sequence

| CW dir. | Step 1 | Step 2 | Step 3 | Step 4 |
|---------|--------|--------|--------|--------|
| Black | Off | On | On | Off |
| Brown | On | Off | Off | On |
| Orange | Off | Off | On | On |
| Yellow | On | On | Off | Off |



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