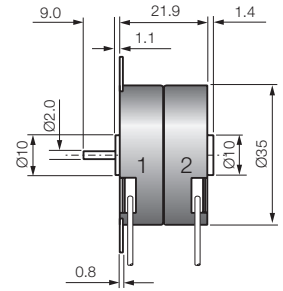
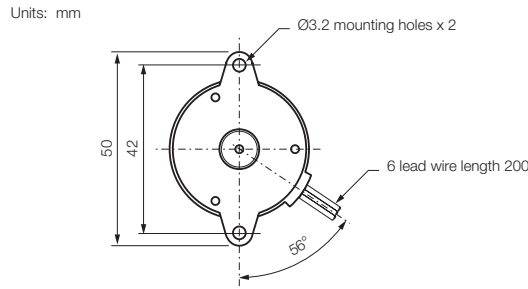


# Permanent Magnet Stepping Motors

SYU3520-048

Issue 02:CN3815



Model Number	Phase voltage (V)	Phase current (A)	Phase resistance ( $\Omega$ )	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	

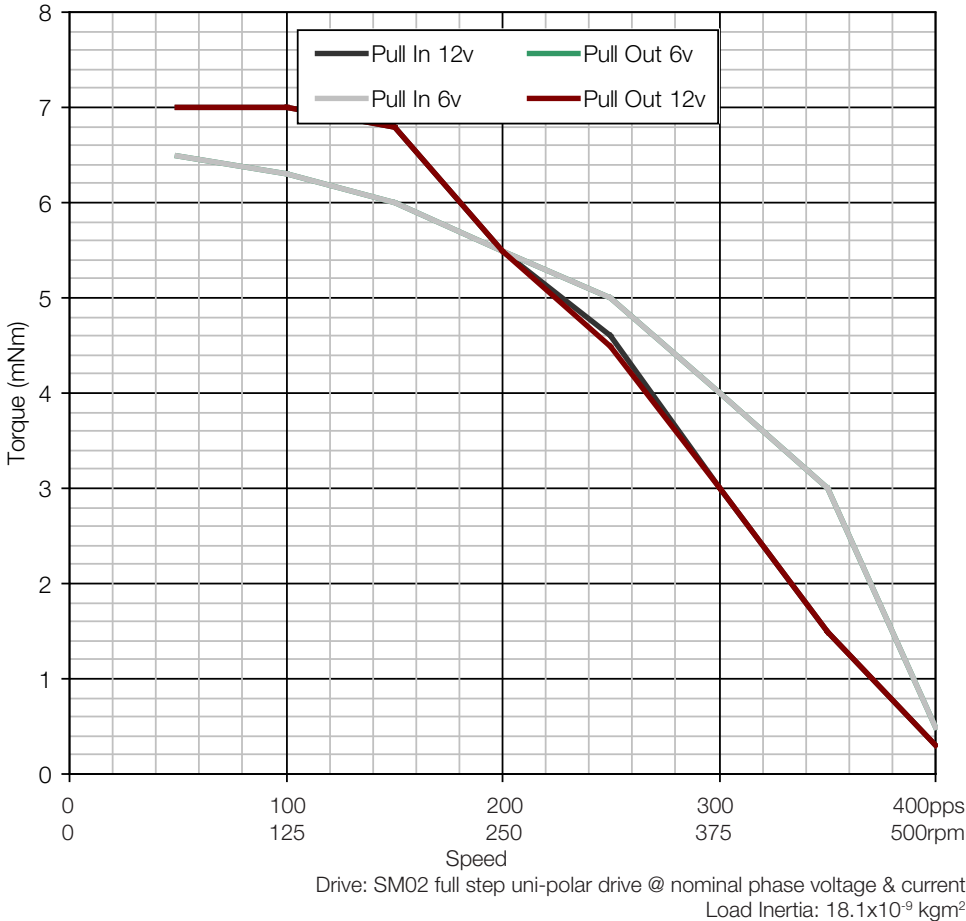
## General Specification

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

## Motor options

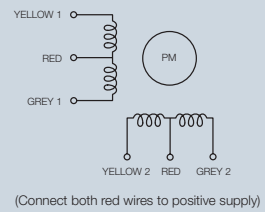
- Alternative voltage/phase resistance
- Alternative shaft lengths
- Alternative lead lengths

## 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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