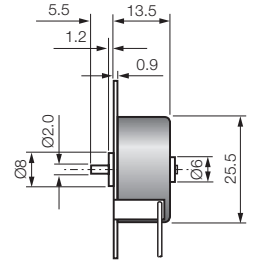
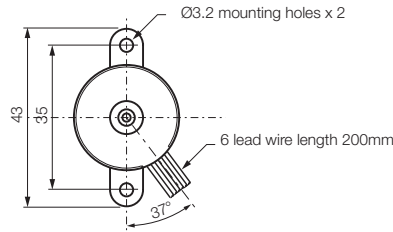


# Permanent Magnet Stepping Motors

SU2513-024

Issue 02

Units: mm



Model Number	Phase voltage (V)	Phase current (A)	Phase resistance ( $\Omega$ )	Phase inductance (mH)	Winding
SU2513-024-021-06	6	0.240	21	5	Uni-polar
SU2513-024-080-12	12	0.150	80	20	

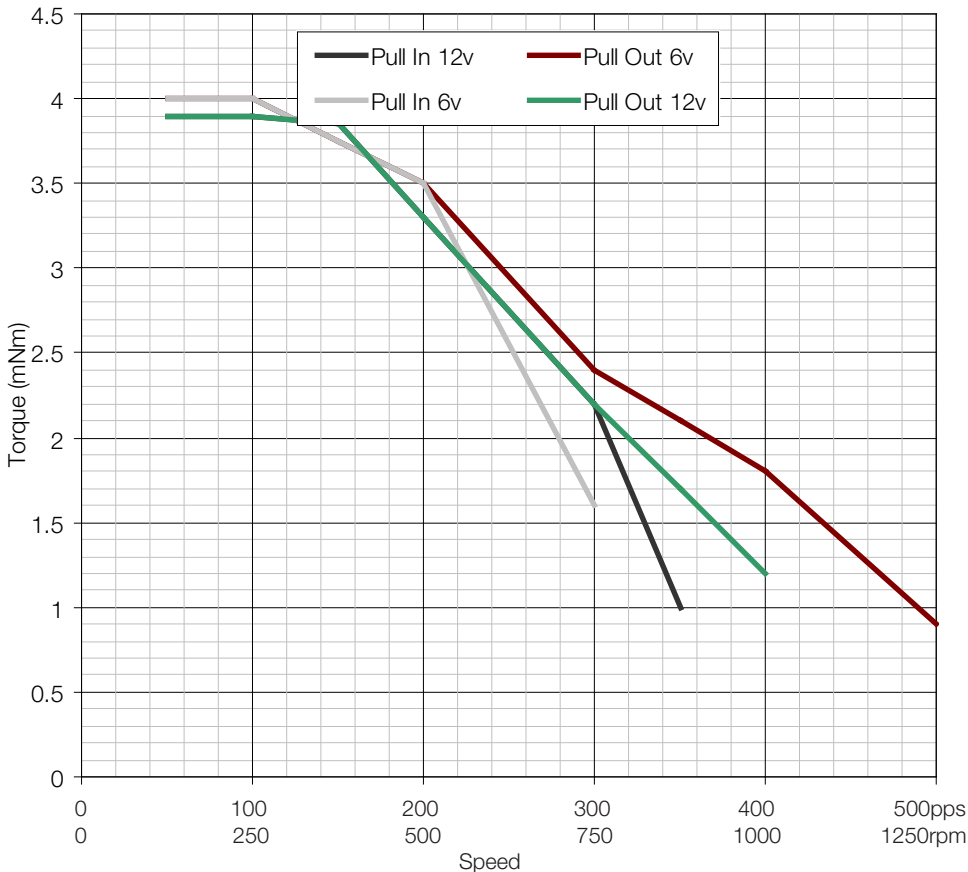
## General Specification

Holding torque	10mNm
Step angle	15°
Rotor Inertia	0.07 kgm <sup>2</sup> x10 <sup>-6</sup>
Temperature rise	80°C
Ambient temp. range	-5°C to +40°C
Weight	28g

## Motor options

- Alternative voltage/phase resistance
- Alternative shaft lengths
- Alternative lead lengths
- 10 mm front bearing

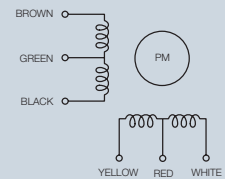
## Characteristics



Drive: SM02 full step uni-polar drive @ nominal phase voltage & current  
Load Inertia: 18.1x10<sup>-9</sup> kgm<sup>2</sup>

## Full step uni-polar sequence

CW dir.	Step 1	Step 2	Step 3	Step 4
Brown	Off	On	On	Off
Black	On	Off	Off	On
Yellow	Off	Off	On	On
White	On	On	Off	Off



(Connect green and red wires to positive supply)

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