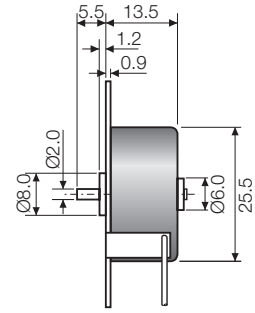
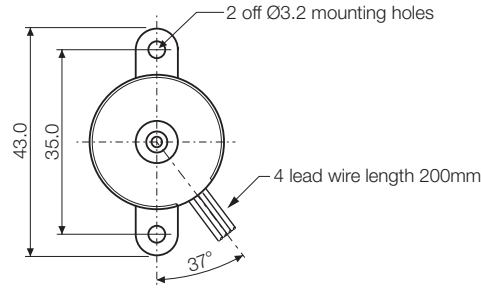


Permanent Magnet Stepping Motors

SB2513-048

Issue 04:CN4099

Units: mm



Model Number	Phase voltage (V)	Phase current (A)	Phase resistance (Ω)	Phase inductance (mH)	Winding
SB2513-048-200-24	24	0.12	200	112	Bi-polar

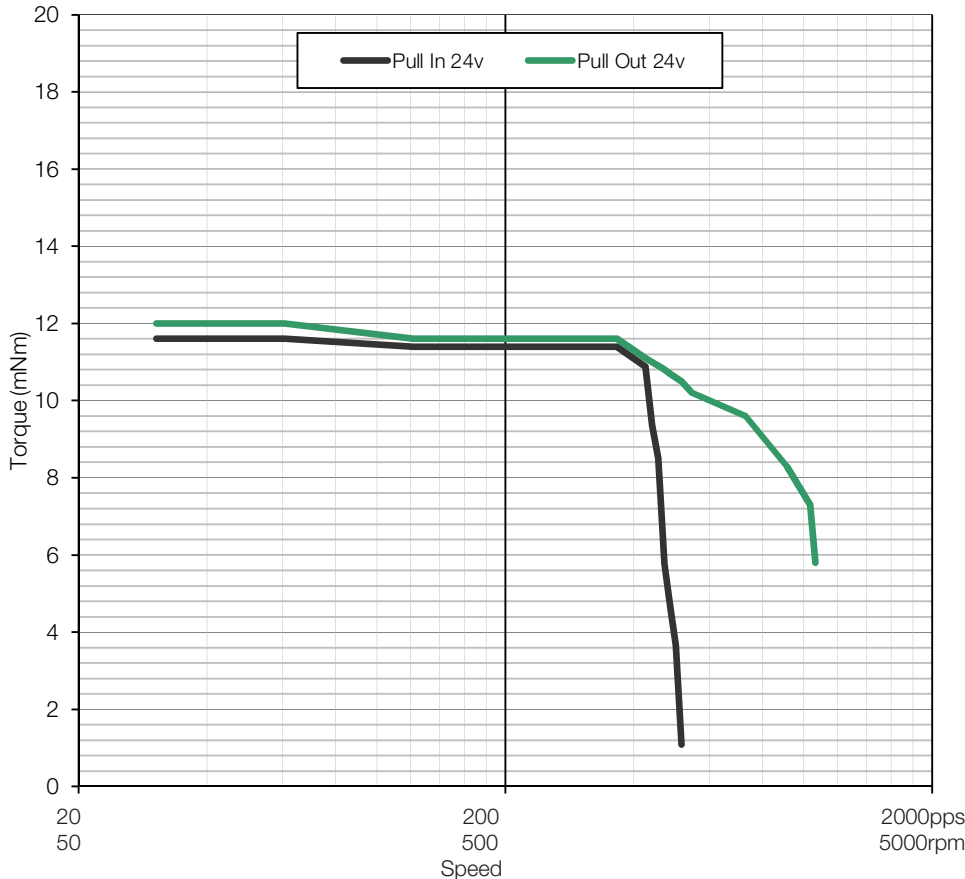
General Specification

Holding torque	15mNm
Step angle	7.5°
Rotor Inertia	0.1 kgm ² x10 ⁻⁶
Temperature rise	110°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

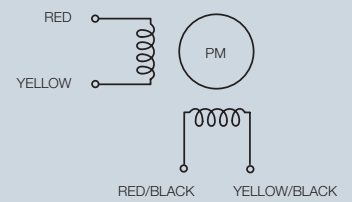
Characteristics



Drive: TCM-1110 half step bipolar drive @ 24V & nominal phase current
Load Inertia: 4.29x10⁻⁷ kgm²

Full step bi-polar sequence

CW dir.	Step 1	Step 2	Step 3	Step 4
Red	-	+	+	-
Yellow	+	-	-	+
Red/Black	+	+	-	-
Yellow/Black	-	-	+	+



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