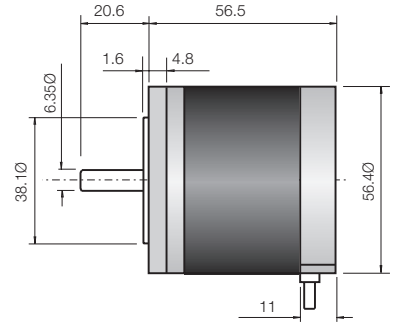
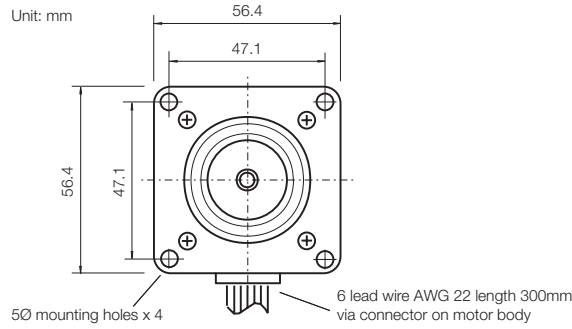


Hybrid Stepping Motors

M235718C620

Issue 03

Rotalink
Miniature Motors, Transmission and Control

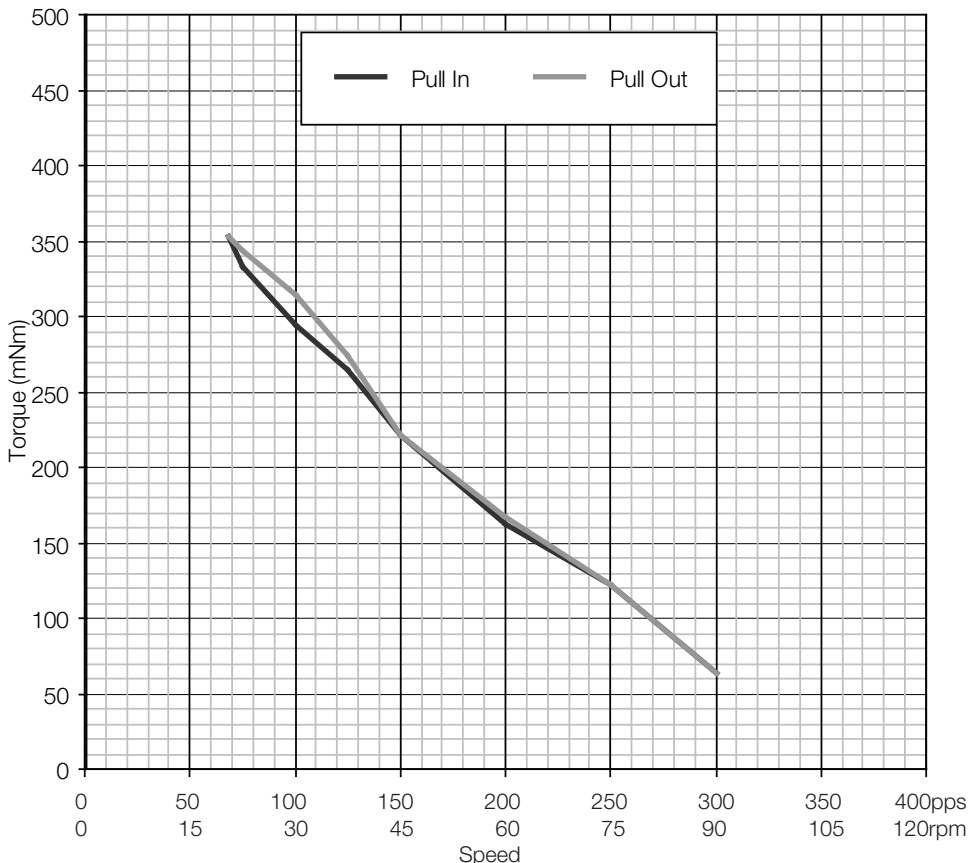


Model Number	Phase voltage (V)	Phase current (A)	Phase resistance (Ω)	Phase inductance (mH)	Detent torque (mNm)	Winding
M235718C620	12.0	0.6	20.0	42.0	45.0	Uni-polar

General Specification

Holding Torque	650mNm
Step angle	1.8°
Step accuracy	± 5%
Rotor Inertia	16.0 kgm ² x10 ⁻⁶
Temperature rise	80°C (max.)
Ambient temp. range	-20°C to +50°C
Insulation resistance	100M Ω (min) at 500V DC
Dielectric strength	500V AC 1min
Radial play	0.02mm (max.) with 450g load
Weight	560g

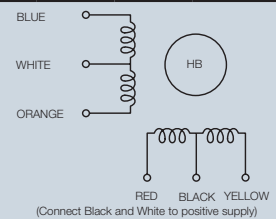
Characteristics



Drive: SM02 full step uni-polar drive @ nominal voltage & phase current
Load Inertia: 9.7x10⁻⁶ kgm²

Full step uni-polar sequence

CW dir.	Step 1	Step 2	Step 3	Step 4
Blue	Off	Off	On	On
Orange	On	On	Off	Off
Red	Off	On	On	Off
Yellow	On	Off	Off	On



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