60 mm sq. (2.36 inch sq.)

0.9˚ /step

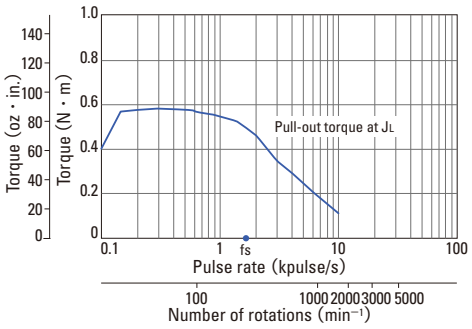
Unipolar winding · Lead wire type
Bipolar winding · Lead wire type

Unipolar winding • Lead wire type

Model number		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass (Weight)
Single shaft	Dual shaft	[N · m (oz · in) MIN.]	A/phase	Ω /phase	mH/phase	[×10⁻⁴kg · m² (oz · in²)]	[kg (lbs)]
SH1601-0440	**SH1601-0410**	0.57 (80.71)	2	1.35	2	0.24 (1.312)	0.55 (1.21)
SH1602-0440	**SH1602-0410**	1.1 (155.77)	2	1.8	3.5	0.4 (2.187)	0.8 (1.76)
SH1603-0440	**SH1603-0410**	1.7 (240.74)	2	2.3	4.5	0.75 (4.101)	1.2 (2.64)

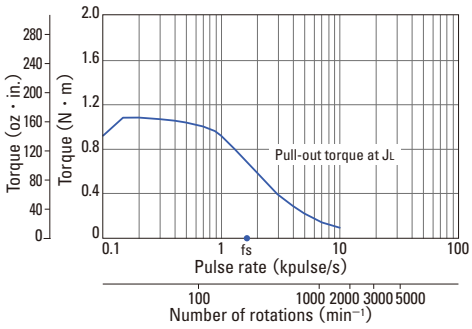
Characteristics diagram

SH1601-0440
SH1601-0410



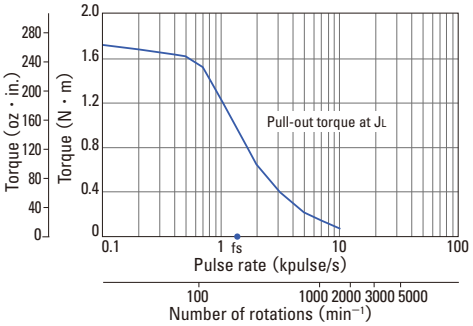
Constant current circuit
Source voltage : DC24V · Operating current : 2A/phase, 2-phase energization (full-step)
J_L=[0.94 × 10⁻⁴kg · m² (5.14 oz · in²) use the rubber coupling]
fs: Maximum self-start frequency when not loaded

SH1602-0440
SH1602-0410



Constant current circuit
Source voltage : DC24V · Operating current : 2A/phase, 2-phase energization (full-step)
J_L=[2.6 × 10⁻⁴kg · m² (14.22 oz · in²) use the rubber coupling]
fs: Maximum self-start frequency when not loaded

SH1603-0440
SH1603-0410



Constant current circuit
Source voltage : DC24V · Operating current : 2A/phase, 2-phase energization (full-step)
[J_L=7.4 × 10⁻⁴kg · m² (40.46 oz · in²) use the rubber coupling]
fs: Maximum self-start frequency when not loaded

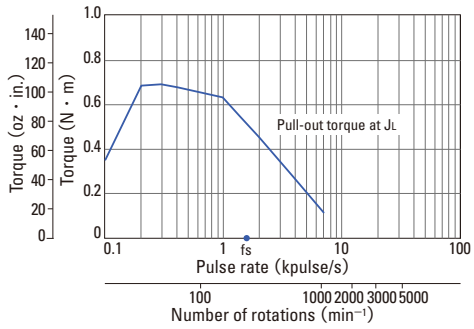
Allowable Load · Internal Wiring · Rotation Direction ▶ P.56 General Specifications ▶ P.57 Motor Dimensions ▶ P.71 The data are measured under the trial conditions of SANYO DENKI.
Driving torque may vary according to actual machine precision.

Bipolar winding • Lead wire type

Model number		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass (Weight)
Single shaft	Dual shaft	[N・m (oz・in) MIN.]	A/phase	Ω /phase	mH/phase	[×10⁻⁴kg・m² (oz・in²)]	[kg (lbs)]
SH1601-5240	**SH1601-5210**	0.69 (97.7)	2	1.2	3.5	0.24 (1.31)	0.55 (1.21)
SH1602-5240	**SH1602-5210**	1.28 (181.2)	2	1.65	6.1	0.4 (2.19)	0.8 (1.76)
SH1603-5240	**SH1603-5210**	2.15 (304.4)	2	2.3	8.8	0.75 (4.10)	1.2 (2.65)

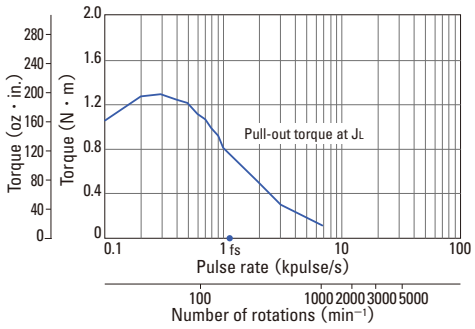
Characteristics diagram

SH1601-5240
SH1601-5210



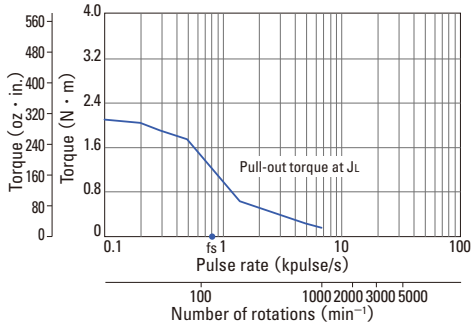
Constant current circuit
Source voltage : DC24V・Operating current : 2A/phase,
2-phase energization (full-step)
J_L=[0.94 × 10⁻⁴kg・m² (5.14 oz・in²) use the rubber coupling]
fs: Maximum self-start frequency when not loaded

SH1602-5240
SH1602-5210



Constant current circuit
Source voltage : DC24V・Operating current : 2A/phase,
2-phase energization (full-step)
J_L=[2.6 × 10⁻⁴kg・m² (14.22 oz・in²) use the rubber coupling]
fs: Maximum self-start frequency when not loaded

SH1603-5240
SH1603-5210



Constant current circuit
Source voltage : DC24V・Operating current : 2A/phase,
2-phase energization (full-step)
[J_L=7.4 × 10⁻⁴kg・m² (40.46 oz・in²) use the rubber coupling]
fs: Maximum self-start frequency when not loaded