

60 mm sq.

0.9°/step **RoHS**

Unipolar, lead type
Bipolar, lead type



Custom options

Hollow shaft Custom shaft

Gear Encoder

Note: Customization feasibility depends on the model number and quantity. Contact us for details.

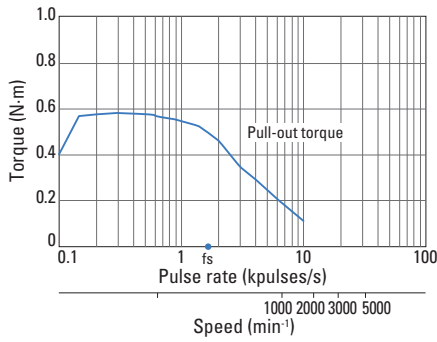
Unipolar, lead type

Model no.		Holding torque at 2-phase excitation	Rated current	Winding resistance	Winding inductance	Rotor inertia	Mass	Motor length (L)	Shaft diameter (D)
Single shaft	Dual shaft	N·m or more	A/phase	Ω/phase	mH/phase	×10 ⁻⁴ kg·m ²	kg	mm	mm
SH1601-0440	SH1601-0410	0.57	2	1.35	2	0.24	0.55	42	0 ø6.35-0.013
SH1602-0440	SH1602-0410	1.1	2	1.8	3.5	0.4	0.8	54	0 ø6.35-0.013
SH1603-0440	SH1603-0410	1.7	2	2.3	4.5	0.75	1.2	76	0 ø8-0.015

Characteristics

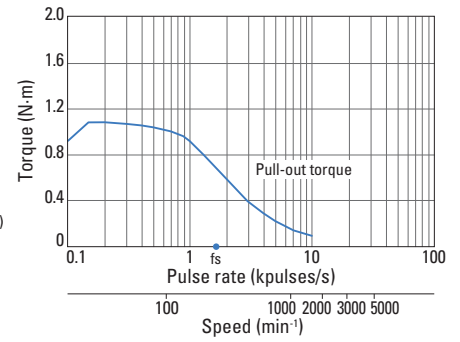
SH1601-0440 SH1601-0410

Constant current circuit
Input voltage: 24 VDC
Winding current:
2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.94 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



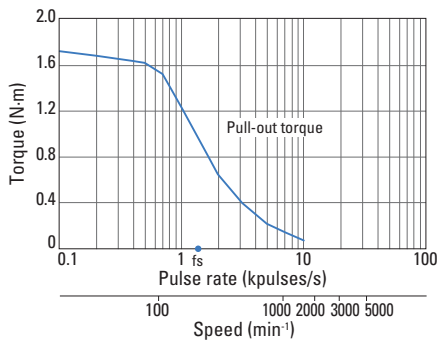
SH1602-0440 SH1602-0410

Constant current circuit
Input voltage: 24 VDC
Winding current:
2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load

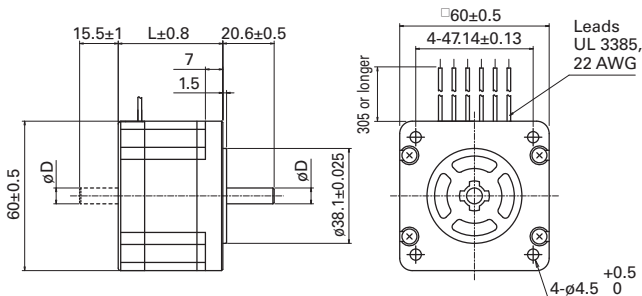


SH1603-0440 SH1603-0410

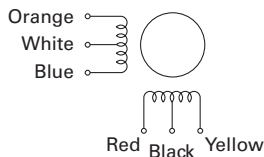
Constant current circuit
Input voltage: 24 VDC
Winding current:
2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 7.4 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



Dimensions (Unit: mm)



Internal winding



Compatible drivers

A driver is to be provided by the customer.

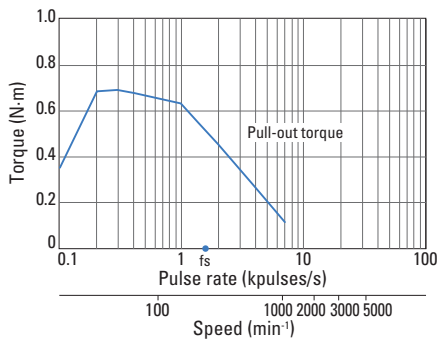
Bipolar, lead type

Model no.		Holding torque at 2-phase excitation	Rated current	Winding resistance	Winding inductance	Rotor inertia	Mass	Motor length (L)	Shaft diameter (D)
Single shaft	Dual shaft	N·m or more	A/phase	Ω/phase	mH/phase	×10 ⁻⁴ kg·m ²	kg	mm	mm
SH1601-5240	SH1601-5210	0.69	2	1.2	3.5	0.24	0.55	42	0 ø6.35-0.013
SH1602-5240	SH1602-5210	1.28	2	1.65	6.1	0.4	0.8	54	0 ø6.35-0.013
SH1603-5240	SH1603-5210	2.15	2	2.3	8.8	0.75	1.2	76	0 ø8-0.015

Characteristics

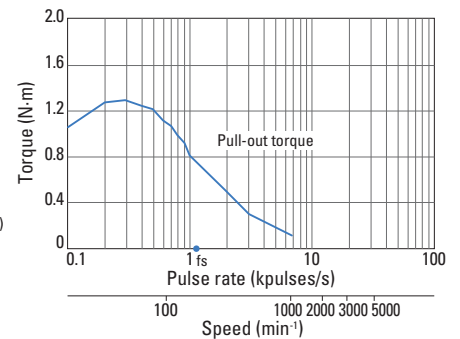
**SH1601-5240
SH1601-5210**

Constant current circuit
Input voltage: 24 VDC
Winding current: 2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 0.94 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



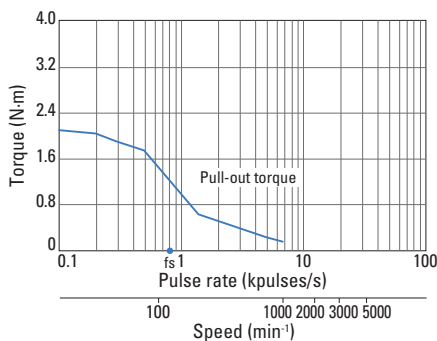
**SH1602-5240
SH1602-5210**

Constant current circuit
Input voltage: 24 VDC
Winding current: 2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load

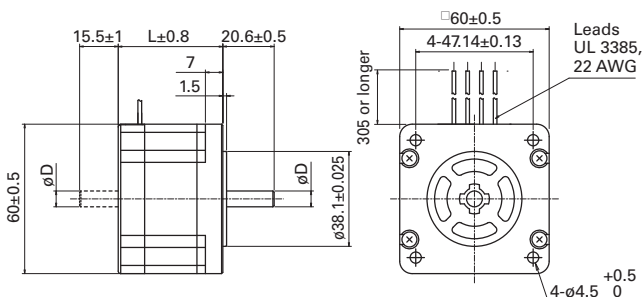


**SH1603-5240
SH1603-5210**

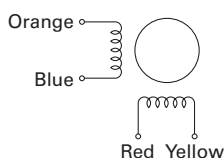
Constant current circuit
Input voltage: 24 VDC
Winding current: 2 A/phase
At 2-phase excitation (full step)
Pull-out torque:
 $J_L = 7.4 \times 10^{-4} \text{kg}\cdot\text{m}^2$
(with rubber coupling used)
fs: Maximum starting pulse rate with no load



Dimensions (Unit: mm)



Internal winding



Compatible drivers

Model no.: BS1D200P10 (DC input)
Operating current selection switch setting: 0
Note: The characteristics shown above are calculated using our experimental circuit.