

28 mm sq.

1.8°/step **RoHS**

Bipolar winding, Lead wire type

Unipolar winding, Lead wire type ▶ p. 39

Customizing

Hollow | **Shaft modification**

Decelerator | **Encoder**

Varies depending on the model number and quantity. Contact us for details.

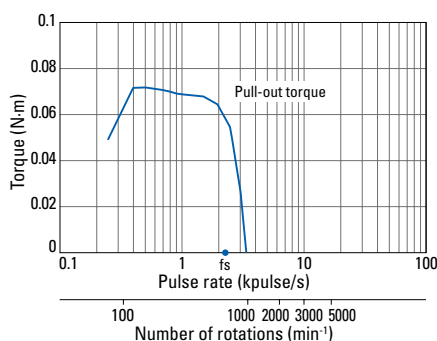
Bipolar winding, Lead wire type

Model no.		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass	Motor length (L)
Single shaft	Dual shaft	N·m min.	A/phase	Ω/phase	mH/phase	$\times 10^{-4} \text{kg} \cdot \text{m}^2$	kg	mm
SH2281-5671	SH2281-5631	0.07	0.5	10.5	7.2	0.01	0.11	32
SH2281-5771	SH2281-5731	0.07	1	2.6	1.85	0.01	0.11	32
SH2285-5671	SH2285-5631	0.145	0.5	15	13.5	0.022	0.2	51.5
SH2285-5771	SH2285-5731	0.145	1	3.75	3.4	0.022	0.2	51.5

Characteristics diagram

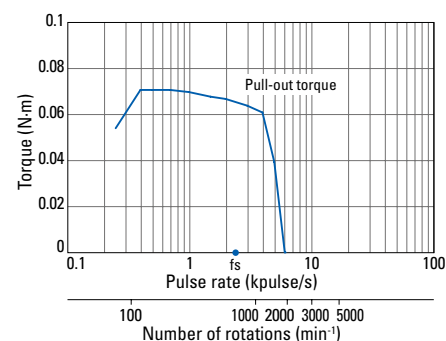
SH2281-5671 SH2281-5631

Constant current circuit
Source voltage: 24 VDC
Operating current:
0.5 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (pulley
balancer method)
fs: Maximum self-start
frequency when not
loaded



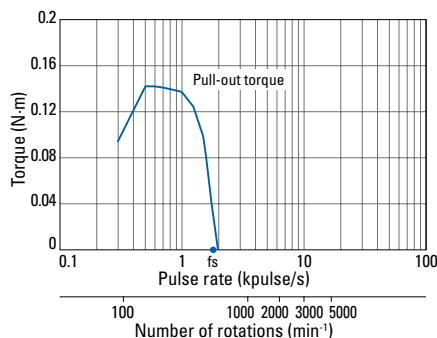
SH2281-5771 SH2281-5731

Constant current circuit
Source voltage: 24 VDC
Operating current:
1 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (pulley
balancer method)
fs: Maximum self-start
frequency when not
loaded



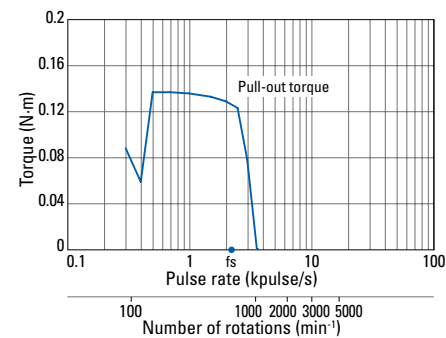
SH2285-5671 SH2285-5631

Constant current circuit
Source voltage: 24 VDC
Operating current:
0.5 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (pulley
balancer method)
fs: Maximum self-start
frequency when not
loaded

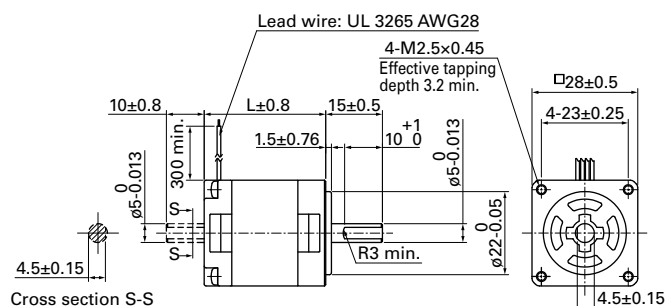


SH2285-5771 SH2285-5731

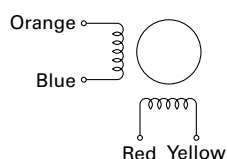
Constant current circuit
Source voltage: 24 VDC
Operating current:
1 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (pulley
balancer method)
fs: Maximum self-start
frequency when not
loaded



Dimensions (Unit: mm)



Internal wiring



Compatible drivers

- For motor model no. SH228 □ -56 □ 1 (0.5 A/phase)
Driver is not included.
If you require assistance finding a driver, contact us for details.
- For model no. SH228 □ -57 □ 1 (1 A/phase)
Model no.: BS1D200P10 (DC input)
Operating current select switch setting: A
The characteristics diagram shown above is from our experimental circuit.