

60 mm sq. (2.36 inch sq.)

0.9° /step RoHS

Unipolar winding, Lead wire type
Bipolar winding, Lead wire type

Customizing

Hollow Shaft modification
Decelerator Encoder

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

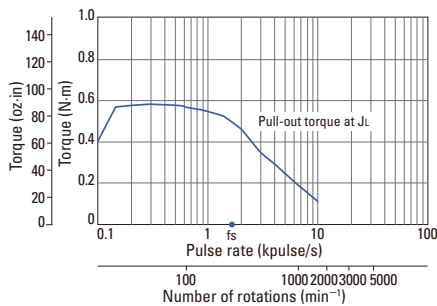
Unipolar winding, Lead wire type

Model number		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass (Weight)	Motor length (L)	Shaft diameter (D)
Single shaft	Dual shaft	[N·m (oz·in) min.]	A/phase	Ω / phase	mH/ phase	[×10 ⁻⁴ kg·m ² (oz·in ²)]	[kg (lbs)]	mm (in)	mm (in)
SH1601-0440	SH1601-0410	0.57 (80.71)	2	1.35	2	0.24 (1.312)	0.55 (1.21)	42 (1.65)	$\begin{matrix} 0 \\ \phi 6.35-0.013 \end{matrix} \left(\begin{matrix} .0000 \\ \phi .25-.0005 \end{matrix} \right)$
SH1602-0440	SH1602-0410	1.1 (155.77)	2	1.8	3.5	0.4 (2.187)	0.8 (1.76)	54 (2.13)	$\begin{matrix} 0 \\ \phi 6.35-0.013 \end{matrix} \left(\begin{matrix} .0000 \\ \phi .25-.0005 \end{matrix} \right)$
SH1603-0440	SH1603-0410	1.7 (240.74)	2	2.3	4.5	0.75 (4.101)	1.2 (2.64)	76 (2.99)	$\begin{matrix} 0 \\ \phi 8-0.015 \end{matrix} \left(\begin{matrix} .0000 \\ \phi .31-.0006 \end{matrix} \right)$

Characteristics diagram

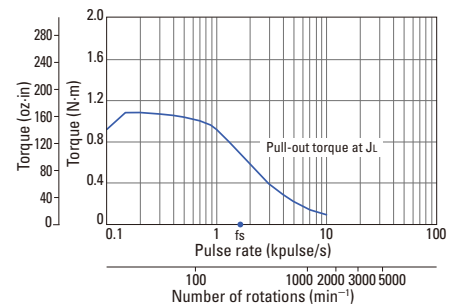
SH1601-0440 SH1601-0410

Constant current circuit
Source voltage: 24 VDC
Operating current: 2 A/phase, 2-phase energization (full-step)
 $J_s = [0.94 \times 10^{-4} \text{kg}\cdot\text{m}^2 (5.14 \text{oz}\cdot\text{in}^2)]$ use the rubber coupling]
fs: Maximum self-start frequency when not loaded



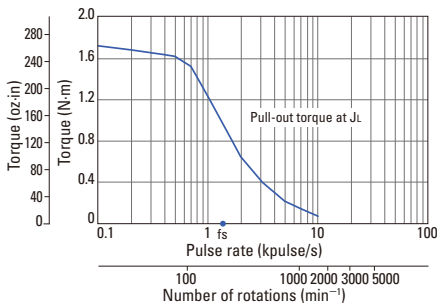
SH1602-0440 SH1602-0410

Constant current circuit
Source voltage: 24 VDC
Operating current: 2 A/phase, 2-phase energization (full-step)
 $J_s = [2.6 \times 10^{-4} \text{kg}\cdot\text{m}^2 (14.22 \text{oz}\cdot\text{in}^2)]$ use the rubber coupling]
fs: Maximum self-start frequency when not loaded

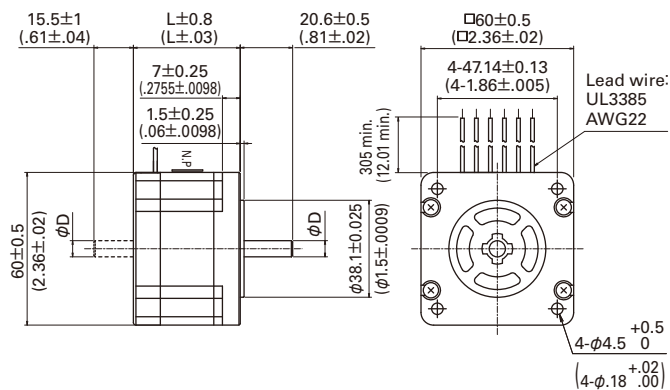


SH1603-0440 SH1603-0410

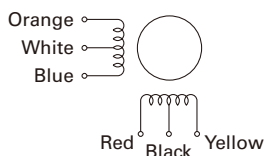
Constant current circuit
Source voltage: 24 VDC
Operating current: 2 A/phase, 2-phase energization (full-step)
 $J_s = [7.4 \times 10^{-4} \text{kg}\cdot\text{m}^2 (40.46 \text{oz}\cdot\text{in}^2)]$ use the rubber coupling]
fs: Maximum self-start frequency when not loaded



Dimensions [Unit: mm (inch)]



Internal wiring



Compatible drivers

Driver is not included.

If you require assistance finding a driver, contact us for details.