

Stepping Motors

Allowable Load ▶ p. 71 Internal Wiring, Rotation Direction ▶ p. 72
General Specifications ▶ p. 73



14 mm sq.

1.8°/step **Ultra-compact** **RoHS**

Bipolar winding, Lead wire type

Customizing

Hollow **Shaft modification**

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

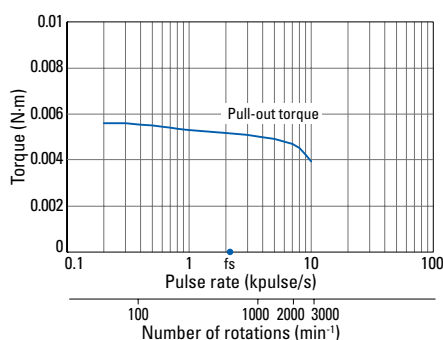
Bipolar winding, Lead wire type

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	×10 ⁻⁴ kg·m ²	kg	mm
SH2141-5541	SH2141-5511	0.0065	0.3	21	4.2	0.00058	0.03	30
SH2145-5641	SH2145-5611	0.01	0.4	19	4	0.0011	0.042	43.8

Characteristics diagram

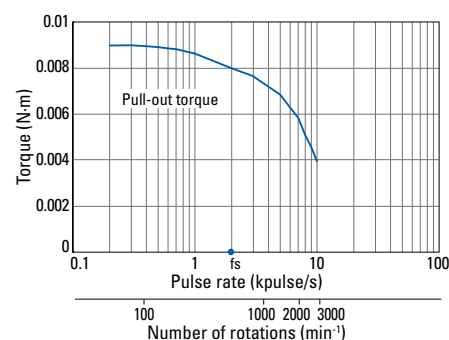
SH2141-5541 SH2141-5511

Constant current circuit
Source voltage: 24 VDC
Operating current:
0.3 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

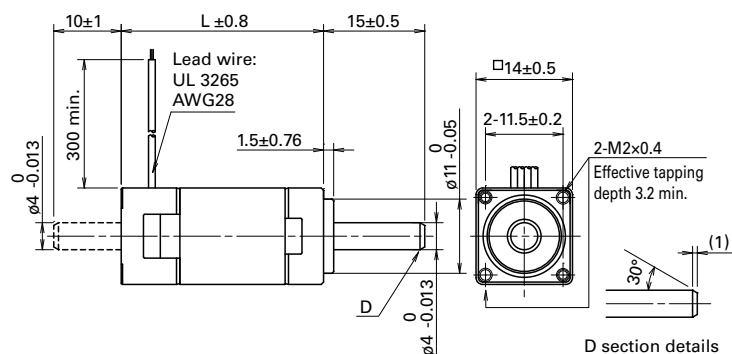


SH2145-5641 SH2145-5611

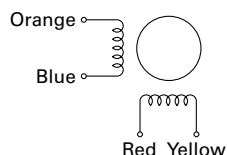
Constant current circuit
Source voltage: 24 VDC
Operating current:
0.4 A/phase, 2-phase
energization (full-step)
Pull-out torque:
 $J_L=0.01 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (pulley
balancer method)
fs: Maximum self-start
frequency when not
loaded



Dimensions (Unit: mm)



Internal wiring



Compatible drivers

Driver is not included.

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