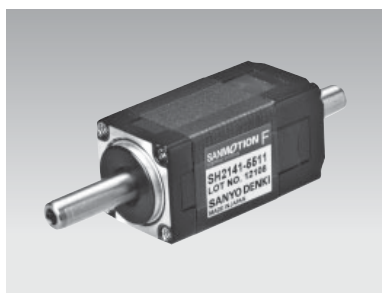


Stepping Motors

Allowable loads... ▶ p. 69
 Internal wiring and rotational directions... ▶ p. 70
 General specifications... ▶ p. 71



14 mm sq.

1.8°/step **Ultra-compact** **RoHS**

Bipolar, lead type



Custom options

Hollow shaft **Custom shaft**

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

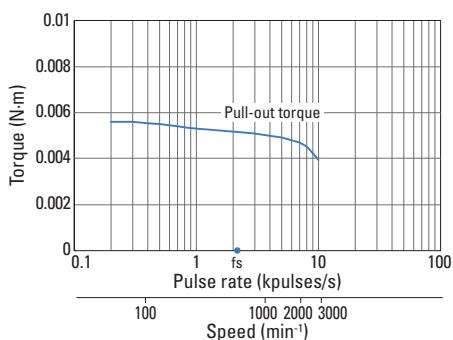
Bipolar, lead type

Model no.		Holding torque at 2-phase excitation	Rated current	Winding resistance	Winding inductance	Rotor inertia	Mass	Motor length (L)
Single shaft	Dual shaft	N·m or more	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

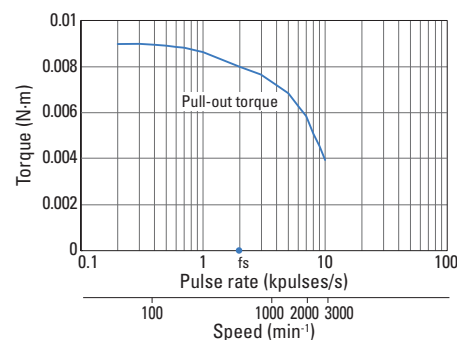
SH2141-5541 SH2141-5511

Constant current circuit
 Input voltage: 24 VDC
 Winding current:
 0.3 A/phase
 2-phase (full step)
 Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg}\cdot\text{m}^2$
 (Pulley balancer method)
 f_s : Maximum starting pulse rate with no load

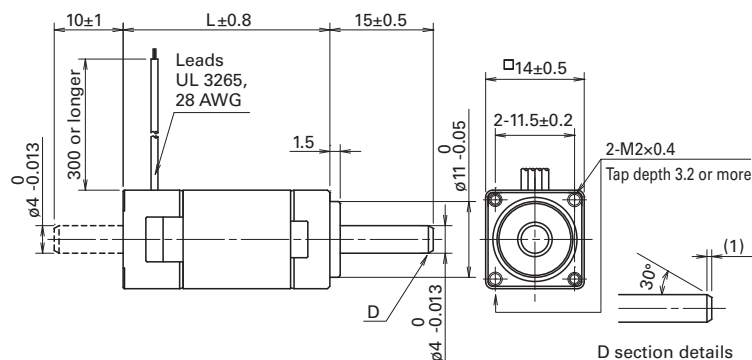


SH2145-5641 SH2145-5611

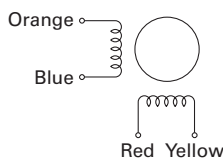
Constant current circuit
 Input voltage: 24 VDC
 Winding current:
 0.4 A/phase
 At 2-phase excitation (full step)
 Pull-out torque:
 $J_L = 0.01 \times 10^{-4} \text{kg}\cdot\text{m}^2$
 (Pulley balancer method)
 f_s : Maximum starting pulse rate with no load



Dimensions (Unit: mm)



Internal wiring



Compatible drivers

A driver is to be provided by the customer.