2-phase stepping motor

50mm sq.（1.97inch sq.）

SS250 □

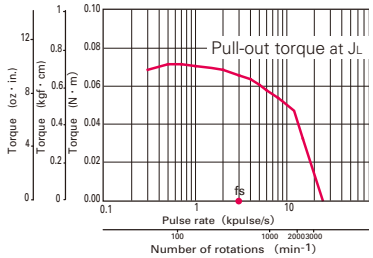
1.8˚ / step Bipolar winding

Bipolar winding • Lead wire type

Model		Holding torque at 2-phase energization	Rated current	Wiring resistance	Winding inductance	Rotor inertia	Mass（Weight）
Single shaft	Double shafts	[N · m（oz · in） MIN.]	A/phase	Ω /phase	mH/phase	[×10⁻⁴kg·m²(oz·in²)]	[kg (lbs)]
SS2501-5041	**-5011**	0.1（14.16）	1	4.5	1.8	0.026（0.142）	0.09（0.20）
SS2502-5041	**-5011**	0.215（30.44）	1	5.9	3.2	0.049（0.268）	0.15（0.33）

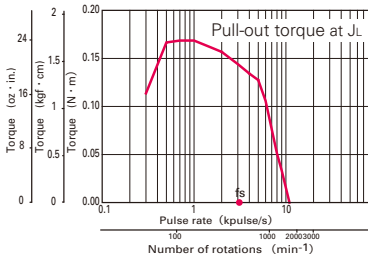
Pulse rate-torque characteristics

● **SS2501-50□□**



Constant current circuit
Source voltage : DC24V · operating current : 1A/phase, 1-2-phase energization (half-step)
JL = [0.01x10⁻⁴kg · m²（0.055 oz · in²） Pulley barancer system]
fs: No load maximum starting pulse rate

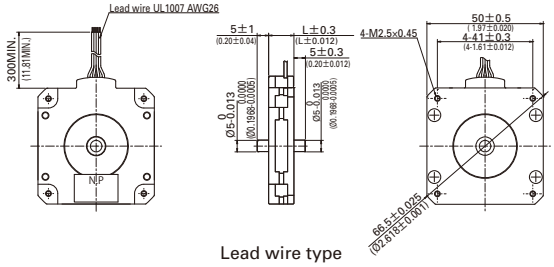
● **SS2502-50□□**



Constant current circuit
Source voltage : DC24V · operating current : 1A/phase, 1-2-phase energization (half-step)
JL = [0.01x10⁻⁴kg · m²（0.055 oz · in²） Pulley barancer system]
fs: No load maximum starting pulse rate

The date are measured under the drive condition of our company. The drive torque may very depending on the accuracy of customer-side equipment.

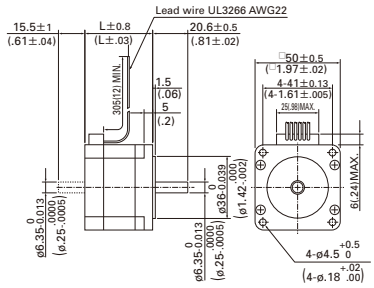
□50mm (□1.97inch)



Lead wire type

	Set part number	Motor model number	Motor length : mm (inch)	Cable type
Bipolar	—	SS2501-50 △1	11 (.433)	Lead wire
	—	SS2502-50 △1	16 (.63)	Lead wire

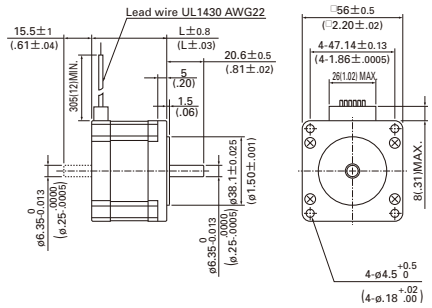
□50mm (□1.97inch)



Lead wire type

	Set part number	Motor model number	Motor length : mm (inch)	Cable type
Unipolar	—	103H6701-01 △0	39.8 (1.57)	Lead wire
	—	103H6701-04 △0	39.8 (1.57)	Lead wire
	—	103H6701-07 △0	39.8 (1.57)	Lead wire
	—	103H6703-01 △0	51.3 (2.02)	Lead wire
	—	103H6703-04 △0	51.3 (2.02)	Lead wire
	—	103H6703-07 △0	51.3 (2.02)	Lead wire
	—	103H6704-01 △0	55.8 (2.20)	Lead wire
	—	103H6704-04 △0	55.8 (2.20)	Lead wire
	—	103H6704-07 △0	55.8 (2.20)	Lead wire
Bipolar	DB16H671 ▽	103H6701-50 △0	39.8 (1.57)	Lead wire
	DB16H672 ▽	103H6703-50 △0	51.3 (2.02)	Lead wire
	—	103H6704-50 △0	55.8 (2.20)	Lead wire

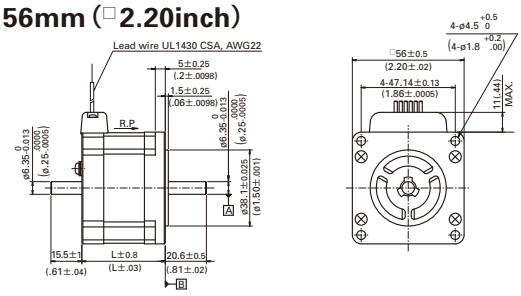
□56mm (□2.20inch)



Lead wire type

	Set part number	Motor model number	Motor length : mm (inch)	Cable type
Unipolar	DU16H711 △	103H7121-04 △0	41.8 (1.65)	Lead wire
	DU16H713 △	103H7123-04 △0	53.8 (2.12)	Lead wire
	DU16H716 △	103H7126-04 △0	75.8 (2.98)	Lead wire
	—	103H7121-01 △0	41.8 (1.65)	Lead wire
	—	103H7121-07 △0	41.8 (1.65)	Lead wire
	—	103H7123-01 △0	53.8 (2.12)	Lead wire
	—	103H7123-07 △0	53.8 (2.12)	Lead wire
	—	103H7124-01 △0	63.8 (2.51)	Lead wire
	—	103H7124-04 △0	63.8 (2.51)	Lead wire
	—	103H7124-07 △0	63.8 (2.51)	Lead wire
	—	103H7126-01 △0	75.8 (2.98)	Lead wire
	—	103H7126-07 △0	75.8 (2.98)	Lead wire

□56mm (□2.20inch)



Lead wire type

	Set part number	Motor model number	Motor length : mm (inch)	Cable type
Unipolar	—	103H7121-61 △0	41.8 (1.65)	Lead wire (CE)
	—	103H7121-67 △0	41.8 (1.65)	Lead wire (CE)
	—	103H7123-61 △0	53.8 (2.12)	Lead wire (CE)
	—	103H7123-67 △0	53.8 (2.12)	Lead wire (CE)
	—	103H7126-61 △0	75.8 (2.98)	Lead wire (CE)
	—	103H7126-67 △0	75.8 (2.98)	Lead wire (CE)

Model number	Shaft diameter(D)	Dcut thickness(L)
103H7121-□□□□		
103H7123-□□□□	ϕ 6.35	5.8
103H7126-□□□□		
103H7128-□□□□	ϕ 8	7.5

△ : Motor shaft specification code

Motor shaft spec	Set type code	Motor type code
Single shaft	S	4
Double shafts	D	1

▽ : Motor shaft specification code

Motor shaft spec	Set type code	Motor type code
Single shaft	S	7
Double shafts	D	3