

# 2 Phase Hybrid Stepping Motor

## 59D SERIES

56mm (NEMA23)



1.8°

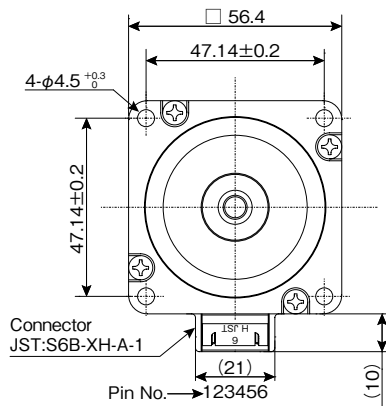
Bipolar

### SPECIFICATIONS

MODEL	STEP ANGLE	VOLTAGE	CURRENT	RESISTANCE	INDUCTANCE	HOLDING TORQUE	ROTOR INERTIA	NUMBER OF PINS	MASS	LENGTH
	deg.	V	A/φ	Ω/φ	mH/φ	mN-m	g-cm <sup>2</sup>	Pin	g	mm
SST59D110X	1.8	3.3	1.4	2.35	7.5	870	145	4	0.51	42
SST59D115X	1.8	2.2	2.1	1.05	3.4	870	145	4	0.51	42
SST59D120X	1.8	1.8	2.8	0.65	2.0	880	145	4	0.51	42
SST59D125X	1.8	1.5	3.5	0.43	1.3	890	145	4	0.51	42
SST59D130X	1.8	1.3	4.2	0.31	0.9	870	145	4	0.51	42
SST59D210X	1.8	3.9	1.4	2.75	9.2	1200	210	4	0.62	48.5
SST59D215X	1.8	2.5	2.1	1.20	4.1	1200	210	4	0.62	48.5
SST59D220X	1.8	2.0	2.8	0.70	2.4	1220	210	4	0.62	48.5
SST59D225X	1.8	1.7	3.5	0.48	1.6	1240	210	4	0.62	48.5
SST59D230X	1.8	1.4	4.2	0.34	1.1	1200	210	4	0.62	48.5
SST59D310X	1.8	4.4	1.4	3.15	11.1	1410	245	4	0.71	54.5
SST59D315X	1.8	2.9	2.1	1.40	5.1	1410	245	4	0.71	54.5
SST59D320X	1.8	2.4	2.8	0.85	3.0	1440	245	4	0.71	54.5
SST59D325X	1.8	1.9	3.5	0.55	2.0	1460	245	4	0.71	54.5
SST59D330X	1.8	1.7	4.2	0.41	1.3	1410	245	4	0.71	54.5
SST59D510X	1.8	6.7	1.4	4.80	19	2400	470	4	1.11	77.5
SST59D515X	1.8	4.4	2.1	2.10	8.4	2400	470	4	1.11	77.5
SST59D520X	1.8	3.5	2.8	1.25	4.9	2440	470	4	1.11	77.5
SST59D525X	1.8	3.0	3.5	0.85	3.3	2480	470	4	1.11	77.5
SST59D530X	1.8	2.5	4.2	0.60	2.2	2400	470	4	1.11	77.5

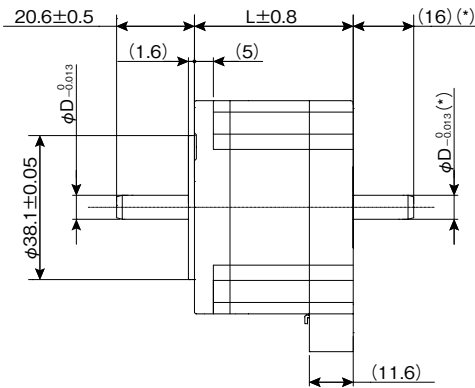
Final Number 5:Single Shaft 6:Double Shaft

### DIMENSIONS



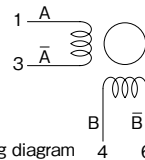
Mating connector

Housing	JST:XHP-6
Contact	JST: SXH-001T-P0.6N



\* Dimensions apply to double shaft models.

SHAFT Dia. (φD)	
MODEL	φD (mm)
SST59D1XXX	φ6.35
SST59D2XXX	φ6.35
SST59D3XXX	φ6.35
SST59D5XXX	φ8



Wiring diagram

