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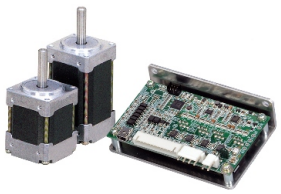
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Find the *Tamagawa Seiki TS3684N37* at our website: ***Click HERE***

2-Phase Step Motors / Drivers

●2-Phase Step Motors

Step motor series with basic step angle: 1.8°(200 counts/rotation).
High torque, high response and light weight.



●2-Phase Step Drivers

Driver for 2-phase step motors that achieves high resolution with half-step and micro-step drive.

2-Phase Step Motor Specification list

Flange Size mm	Step Angle Deg.	Model No.	Shaft	Rated Voltage V/Phase
□20	1.8	TS3692N1	Single Shaft	3.5
		TS3692N11	Dual Shaft	
		TS3692N41	Single Shaft	3.0
		TS3692N51	Dual Shaft	
		TS3692N2	Single Shaft	7.0
		TS3692N12	Dual Shaft	
		TS3692N42	Single Shaft	5.6
		TS3692N52	Dual Shaft	
□28	1.8	TS3641N1E1	Single Shaft	1.05
		TS3641N11E1	Dual Shaft	
		TS3641N1E2	Single Shaft	2.6
		TS3641N11E2	Dual Shaft	

		TS3641N2E3	Single Shaft	1
		TS3641N12E3	Dual Shaft	
□42 High Torqe	1.8	TS3617N502	Single Shaft	4.8
		TS3617N602	Dual Shaft	
		TS3617N503	Single Shaft	5.8
		TS3617N603	Dual Shaft	
		TS3617N504	Single Shaft	7.2
		TS3617N604	Dual Shaft	
Flange Size mm	**Step Angle Deg.**	**Model No.**	**Shaft**	**Rated Voltage V/Phase**
□50 High Torque	1.8	TS3621N11	Single Shaft	2.2
		TS3621N11	Dual Shaft	
		TS3621N2	Single Shaft	3.2
		TS3621N12	Dual Shaft	
□56.4 High Torque	0.9	TS3690N1E1	Single Shaft	5.4
		TS3690N11E1	Dual Shaft	
		TS3690N1E2	Single Shaft	2.8
		TS3690N11E2	Dual Shaft	
		TS3690N1E3	Single Shaft	1.6
		TS3690N11E3	Dual Shaft	
		TS3690N2E4	Single Shaft	7.4
		TS3690N12E4	Dual Shaft	
		TS3690N2E5	Single Shaft	3.6
		TS3690N12E5	Dual Shaft	
		TS3690N2E6	Single Shaft	2.3
		TS3690N12E6	Dual Shaft	
		TS3690N3E7	Single Shaft	8.6

		TS3690N13E7	Dual Shaft	
		TS3690N3E8	Single Shaft	4.5
		TS3690N13E8	Dual Shaft	
		TS3690N3E9	Single Shaft	3
		TS3690N13E9	Dual Shaft	
Flange Size mm	**Step Angle Deg.**	**Model No.**	**Shaft**	**Rated Voltage V/Phase**
□56.4 High Torque	1.8	TS3653N1E1	Single Shaft	5.2
		TS3653N11E1	Dual Shaft	
		TS3653N1E2	Single Shaft	2.8
		TS3653N11E2	Dual Shaft	
		TS3653N1E3	Single Shaft	1.9
		TS3653N11E3	Dual Shaft	
		TS3653N2E4	Single Shaft	7.2
		TS3653N12E4	Dual Shaft	
		TS3653N2E5	Single Shaft	3.6
		TS3653N12E5	Dual Shaft	
		TS3653N2E6	Single Shaft	2.3
		TS3653N12E6	Dual Shaft	
		TS3653N3E7	Single Shaft	8.2
		TS3653N13E7	Dual Shaft	
		TS3653N3E8	Single Shaft	4.5
		TS3653N13E8	Dual Shaft	
		TS3653N3E9	Single Shaft	3
		TS3653N13E9	Dual Shaft	
		TS3653N4E12	Single Shaft	2.2
		TS3653N14E12	Dual Shaft	

□60 High Torque	1.8	TS3606N1E1	Single Shaft	5.8
		TS3606N11E1	Dual Shaft	
		TS3606N1E2	Single Shaft	2.9
		TS3606N11E2	Dual Shaft	
		TS3606N1E3	Single Shaft	1.95
		TS3606N11E3	Dual Shaft	
		TS3606N2E4	Single Shaft	7.9
		TS3606N12E4	Dual Shaft	
		TS3606N2E5	Single Shaft	4.0
		TS3606N12E5	Dual Shaft	
		TS3606N2E6	Single Shaft	2.55
		TS3606N12E6	Dual Shaft	
		TS3606N3E7	Single Shaft	9.4
		TS3606N13E7	Dual Shaft	
		TS3606N3E8	Single Shaft	4.6
		TS3606N13E8	Dual Shaft	
		TS3606N3E9	Single Shaft	2.9
		TS3606N13E9	Dual Shaft	
		TS3606N4E10	Single Shaft	12.5
		TS3606N14E10	Dual Shaft	
		TS3606N4E11	Single Shaft	6.0
		TS3606N14E11	Dual Shaft	
		TS3606N4E12	Single Shaft	3.9
		TS3606N14E12	Dual Shaft	
Flange Size mm	**Step Angle Deg.**	**Model No.**		**Rated Voltage V/Phase**
□86 High Torque	1.8	TS3684N1E3（Single Shaft） TS3684N11E3（Dual Shaft）		1.8

			1.28
			2.56
		TS3684N2E6（Single Shaft） TS3684N12E6（Dual Shaft）	2.8
			1.98
			3.97
		TS3684N3E8（Single Shaft） TS3684N13E8（Dual Shaft）	3.36
			2.39
			4.7

2-Phase Step Motors and Applicable Drivers

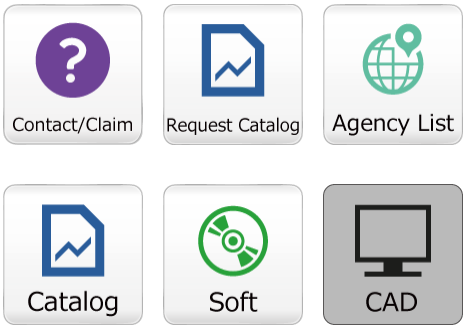
	Unipolar Type		B
Driver Model	AU9290N1□□	AU9236N1	AU9290N2□□
Input Current	DC15～28V	DC24～48V	DC15～28V
Driving Mode of a Step Motor	Micro step	Full Step／ Half Step	Micro step
Rated output current	1.8A rms	10A Max.	2.4A rms
	Applicable motors		
□20mm/TS3692	●	–	●
□28mm/TS3641	●	–	●
□42mm/TS3617	●	–	●
□50mm/TS3621	● ※2	●	●
□56.4mm /TS3690,TS3653	● ※2	●	● ※2
□60mm/TS3606	● ※2	●	● ※2
□80mm/TS3684	● ※2	●	● ※2

※1：Bipolar type drivers can drive unipolar step motors other than TS3692 Type 2 (5 wires).

※2：Motor current is limited by the rated current of the driver.

※3：Corresponds to a rated current of 2.0–5.0A or less.

2-Phase Step Motors / Drivers INQUIRIES



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Step Motors/Drivers
Gyros
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