

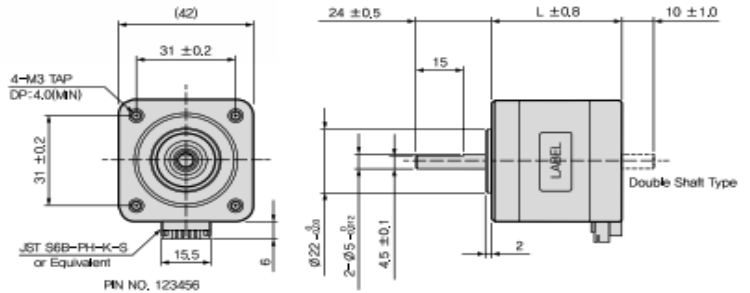


1.8° Hybrid Stepper Motors

42Q Series | NEMA 17 (42 mm)



Dimension Specification



Wiring Diagram



SPECIFICATIONS

U n i p o l a r	Model No.	Holding Torque (N · cm)	Motor Length (L=mm)	Rotor Inertia (g · cm ²)	Rated Voltage (V/Phase)	Rated Current (A/Phase)	Winding Resistance (Ω/Phase)	Inductance (mH/Phase)
	4S42Q-H09634S	17.65	34	38	9.6	0.4	24.0	15.0
	4S42Q-H04334S	21.57	34	38	4.3	1.0	4.3	3.2
	4S42Q-H03434S	21.57	34	38	3.4	1.2	2.8	1.9
	4S42Q-H12040S	29.42	40	57	12.0	0.4	30.0	20.0
	4S42Q-H07240S	32.36	40	57	7.2	0.6	12.0	11.5
	4S42Q-H05940S	32.36	40	57	5.9	0.8	7.4	6.2
	4S42Q-H04840S	32.36	40	57	4.8	1.0	4.8	4.2
	4S42Q-H04140S	32.36	40	57	4.1	1.2	3.4	3.2
	4S42Q-H04648S	39.23	48	81	4.6	1.2	3.8	3.0

B i p o l a r	Model No.	Holding Torque (N · cm)	Motor Length (L=mm)	Rotor Inertia (g · cm ²)	Rated Voltage (V/Phase)	Rated Current (A/Phase)	Winding Resistance (Ω/Phase)	Inductance (mH/Phase)
	2S42Q-H07234S	24.52	34	38	7.2	0.6	12.0	15.0
	2S42Q-H03134S	29.42	34	38	3.1	1.4	2.2	3.2
	2S42Q-H02434S	29.42	34	38	2.4	1.7	1.4	1.9
	2S42Q-H09040S	39.23	40	57	9.0	0.6	15.0	20.0
	2S42Q-H04840S	39.23	40	57	4.8	0.8	6.0	11.5
	2S42Q-H04140S	39.23	40	57	4.1	1.1	3.7	6.2
	2S42Q-H03440S	39.23	40	57	3.4	1.4	2.4	4.2
	2S42Q-H02940S	39.23	40	57	2.9	1.7	1.7	3.2
	2S42Q-H03248S	49.03	48	81	3.2	1.7	1.9	3.0



1.8° Hybrid Stepper Motors Performance Data

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Torque/Speed Curve

- DRIVER CHOPPER
- SUPPLY VOLTAGE: DC 24.0V
- 2 PHASE EXCITING
- MOUNTING WITH RUBBER DAMPER

