

# APPLIED MOTION Stepper Motors



## STEP MOTORS

### Size 14

#### Specifications:

- Operating Temp: -20°C to 50°C
- Insulation Class: 130°C Class B
- No. of Leads: 4
- Lead wire gauge: 26AWG
- Radial Play: .0004 max. @ 1 Lb.
- Step Angle: 1.8



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in <sup>2</sup> /G-CM <sup>2</sup> )	Price Each	
											1	5
834-5014-820	5014-820	A	Parallel	1.00	8.0	3.2	.35	8.5	8.0	0.051/9.3	69.67	64.31
834-5014-842	5014-842	A	Parallel	1.57	26.0	4.8	1.00	4.3	5.5	0.109/20	91.05	84.05
* 834-5014-842D	5014-842D	A	Parallel	1.57	26.0	4.8	1.00	4.3	5.5	0.109/20	85.58	79.00

\*Features a double shaft

### Size 23

#### Specifications:

- Operating Temp: -20°C to 50°C
- Insulation Class: 130°C Class B
- No. of Leads: 6
- Lead wire gauge: 22AWG
- Radial Play: .001 max. @ 1Lb.
- Step Angle: 1.8
- Motor Connections: Series, Parallel and Unipolar (Series specifications listed below)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in <sup>2</sup> /G-CM <sup>2</sup> )	Price Each	
											1	5
834-4023-819	4023-819	B	Series	2.00	74.9	7.2	.71	10.2	40.0	.0547/100	98.47	93.54
834-4023-820	4023-820	B	Series	2.00	74.9	1.8	2.76	.7	1.4	0.547/100	119.70	112.86
834-4023-830	4023-830	B	Series	3.00	141.0	6.6	1.27	5.2	20.0	1.28/234	138.15	131.25
* 834-4023-820D	4023-820D	B	Series	2.00	74.9	1.8	2.76	.7	1.4	0.547/100	112.85	99.84

\*Features a double shaft

## HIGH-TORQUE STEP MOTORS

### Size HT08

#### Specifications:

- Operating Temp: -20°C to 50°C
- Insulation Class: 130°C Class B (HT08-020)
- Radial Play: .001 max. @ 1.1 Lb.
- Lead wire gauge: 26AWG
- Step Angle: 1.8
- No. of Leads: 4



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in <sup>2</sup> /G-CM <sup>2</sup> )	Price Each	
											1	5
834-HT08-020	HT08-020	C	Bi-polar	1.18	2.4	2.8	.35	8.5	3.4	0.01/1.9	75.54	71.09

### Size HT11

#### Specifications:

- Operating Temp: -20°C to 50°C
- Insulation Class: 130°C Class B
- Radial Play: .001 max. @ 1.1 Lb.
- Lead wire gauge: 26AWG
- Step Angle: 1.8
- No. of Leads: 4



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in <sup>2</sup> /G-CM <sup>2</sup> )	Price Each	
											1	5
834-HT11-012	HT11-012	C	Parallel	1.32	7.0	1.4	1.00	1.4	1.4	.044/8	84.01	80.24
834-HT11-013	HT11-013	C	Parallel	1.87	15.0	2.0	1.00	2.0	2.6	.098/18	100.70	97.54

### Size HT17

#### Specifications:

- Operating Temp: -20°C to 50°C
- Step Angle: 1.8
- Lead wire gauge: 22AWG
- Insulation Class: 130°C Class B
- No. of Leads: 8
- Radial Play: .001 max. @ 1.1 Lb.
- Motor connections: Series, Parallel, and Unipolar (Series specifications listed below)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in <sup>2</sup> /G-CM <sup>2</sup> )	Price Each	
											1	5
834-HT17-275	HT17-275	D	Series	1.90	62.3	5.6	.85	6.6	10.0	.44/82.0	55.80	52.61
* 834-HT17-275D	HT17-275D	D	Series	1.90	62.3	5.6	.85	6.6	10.0	.44/82.0	49.11	46.30

\*Features a double shaft

### Size HT23

#### Specifications:

- Operating Temp: -20°C to 50°C
- Step Angle: 1.8
- Lead wire gauge: 22AWG
- Insulation Class: 130°C Class B
- No. of Leads: 8
- Radial Play: .001 max. @ 1.1 Lb.
- Motor connections: Series, Parallel, and Unipolar (Series specifications listed below)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in <sup>2</sup> /G-CM <sup>2</sup> )	Price Each	
											1	5
834-HT23-393	HT23-393	E	Series	1.54	76.6	7.4	.71	10.4	21.6	0.66/120	95.96	92.96
834-HT23-397	HT23-397	E	Series	2.13	177.0	5.1	1.40	3.6	10.0	1.64/300	106.53	101.20
* 834-HT23-397D	HT23-397D	E	Series	2.13	177.0	5.1	1.40	3.6	10.0	1.64/300	95.00	90.30
834-HT23-398	HT23-398	E	Series	2.13	177.0	3.3	2.12	1.5	4.8	1.64/300	106.53	101.20
834-HT23-399	HT23-399	F	Series	2.99	264.0	11.6	.71	16.4	56.0	2.62/480	131.81	127.56
834-HT23-400	HT23-400	F	Series	2.99	264.0	6.4	1.41	4.5	14.4	2.62/480	132.59	126.16
* 834-HT23-400D	HT23-400D	F	Series	2.99	264.0	6.4	1.41	4.5	14.4	2.62/480	108.21	102.90
834-HT23-601	HT23-601	F	Series	2.99	264.0	4.2	2.12	2.0	6.4	2.62/480	108.12	98.82
* 834-HT23-601D	HT23-601D	F	Series	2.99	264.0	4.2	2.12	2.0	6.4	2.62/480	104.36	99.28

\*Features a double shaft

### SIZE HT34

#### Specifications:

- Operating Temp: -20°C to 50°C
- Insulation Class: 130°C Class B
- Radial Play: .001 max. @ 1Lb.
- Lead wire gauge: 18AWG
- Step Angle: 1.8
- No. of Leads: 8

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in <sup>2</sup> /G-CM <sup>2</sup> )	Price Each	
											1	5
834-HT34-476	HT34-476	G	Series	3.78	855	3.92	3.15	1.32	12.0	14.8/2700	306.60	289.08
834-HT34-478	HT34-478	G	Series	4.96	1284	5.3	2.80	1.94	22.0	27.9/4000	362.25	341.55
834-HT34-486	HT34-486	G	Series	4.63	1200	4.4	4.10	1.08	8.8	14.6/2680	355.90	344.77

© Copyright 2012 Mouser Electronics

© Copyright 2012 Mouser Electronics

