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**STEPPER MOTORS**

Jameco Part#	Manufacturer	Manufacturer Part #	Drive System	Rated Voltage (VDC)	Current (mA)	Step Angle	Phase Resistance (Ohms)	Phase		Detent Torque (g-cm)	Holding Torque (g-cm)	Shaft Dia. (in.)	Shaft Length	Nema Frame Size	Mounting		Motor			Price 1
								Inductance (mH)	cm						Hole Space (in.)	Mounting Holes (in.)	Motor Dia. (in.)	Depth (in.)	Weight (lbs.)	
2245626	Jameco Reliapro	1124176	Bipolar	1.8	1500	1.8	1.2	1.6	n/a	2243	0.2	0.86	17	1.22	0.12	1.66	1.34	0.42	\$ 8.95	
2245618	Jameco Reliapro	1124278	Bipolar	2.25	1500	1.8	1.5	3.3	n/a	4079	0.2	0.86	17	1.22	0.12	1.66	1.57	0.64	\$ 9.95	
2245634	Jameco Reliapro	1144108	Bipolar	3.24	1200	1.8	2.7	5	100	2400	0.2	0.63	n/a	1.22	0.17	1.66	1.6	0.4	\$ 9.95	
2234839	Jameco Reliapro	42BYG44B	Bipolar	4	1000	1.8	4	10	n/a	3600	0.2	0.312	17	1.21	0.1	1.65	1.68	0.7	\$ 15.95	
2270927	Oriental Motor	PX245-01AA	Bipolar	4	1200	1.8	3.3	2.4	n/a	2192	0.2	0.85	17	1.22	0.12	1.66	1.82	0.86	\$ 13.95	
2245597	Jameco Reliapro	1124144	Bipolar	4.5	1500	1.8	3	6	n/a	200	0.2	0.83	17	1.22	0.12	1.66	2	0.9	\$ 12.95	
2245589	Jameco Reliapro	1124142	Bipolar	4.5	1500	1.8	3	6	n/a	6800	0.2	0.86	17	1.22	0.12	1.66	2	0.9	\$ 12.95	
237490	Jameco Reliapro	39BYG001-R	Bipolar	5	1000	1.8	5	5	200	1800	0.2	0.83	17	1.22	0.1	1.54	1.34	0.44	\$ 15.49	
237578	Jameco Reliapro	57BYG061-R	Bipolar	6	500	1.8	12	24	n/a	3569	0.25	0.83	23	1.86	0.2	2.29	1.61	1	\$ 34.95	
155460	Jameco Reliapro	42BYG023-R	Bipolar	12	400	1.8	30	36	220	2100	0.2	0.6	17	1.73	0.1	1.7	1.3	0.5	\$ 19.95	
2158531	Shinano Kenshi	STP-42D201-37	Bipolar	12	1700	1.8	1.55	5	163	3200	0.19	1.49	17	1.22	0.15	1.65	1.49	0.6	\$ 4.95	
2245642	Jameco Reliapro	1123005	Bipolar	14	400	1.8	35	44	n/a	2200	0.2	0.87	17	1.22	0.12	1.67	1.34	0.47	\$ 9.95	
2158557	Mitsumi Electronics Corporation	M25SP-5N LF(50 OHMS)	Bipolar	24	550	7.5	50	n/a	177	183	0.08	0.22	n/a	1.25	0.27	1.25	0.53	0.06	\$ 1.25	
2209254	NMB Technologies	PM55L-048-ZXX3	Bipolar	24	800	7.5	5.5	n/a	1400	1600	0.25	0.62	n/a	2.5	0.13	2.16	1	0.6	\$ 1.95	
2245319	Pololu	1209	Unipolar	2.7	1000	1.8	2.7	4.3	100	1400	0.19	0.82	n/a	1.03	0.13	1.37	1.4	0.4	\$ 14.95	
237825	Jameco Reliapro	25BY4801	Unipolar	5	500	1.8	10	n/a	45	110	0.08	0.35	n/a	1.38	0.14	0.98	0.56	0.07	\$ 8.95	
237607	Jameco Reliapro	57BYGH001-R	Unipolar	5	1000	1.8	5	n/a	135	3976	0.2	0.25	23	1.86	0.2	2.24	1.61	1.1	\$ 27.95	
2138812	Jameco Reliapro	35BY48L030-01	Unipolar	7	350	7.5	20	11	125	450	0.078	0.47	n/a	1.59	0.12	1.37	0.85	0.22	\$ 8.49	
2234476	Fulling Motor USA	35BYHJ30-36A	Unipolar	12	259	7.5	50	74	n/a	6000	0.2	0.53	n/a	1.9	0.15	1.37	1.37	0.27	\$ 5.95	
155433	Jameco Reliapro	42BYG228-R	Unipolar	12	400	1.8	30	23	220	2000	0.2	0.6	17	1.73	0.1	1.7	1.5	0.5	\$ 18.95	
238538	Jameco Reliapro	42BYGH404-R	Unipolar	12	400	1.8	30	25	250	3400	0.2	0.95	17	1.22	0.1	1.67	1.89	0.6	\$ 19.95	
162027	Jameco Reliapro	57BYG084-R	Unipolar	12	600	1.8	20	22	725	6000	0.25	1	22	2.65	0.2	2.2	2	1.3	\$ 32.95	