

17PM-K0 series (2-Phase Hybrid Step Motor)

17PM-K019-05VA
17PM-K019-05VB

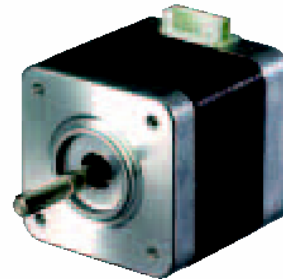
Single Shaft
 Double Shaft

17PM-K006-06VA
17PM-K006-06VB

Single Shaft
 Double Shaft

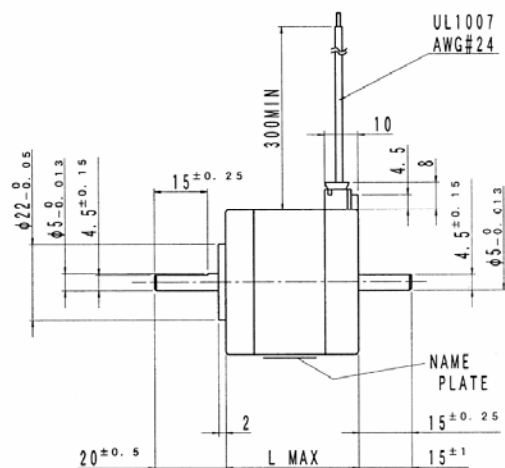
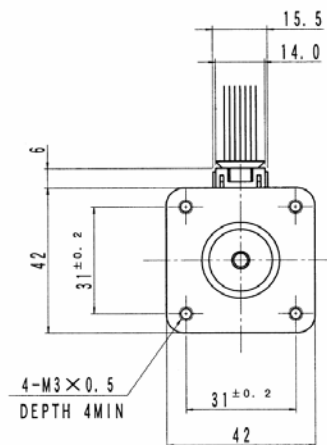
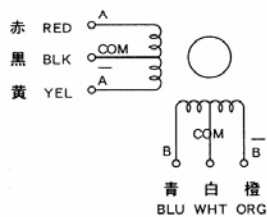
17PM-K002-08VA
17PM-K002-08VB

Single Shaft
 Double Shaft



DIMENSIONS (mm) & WIRING DIAGRAM

L/W COLOR	赤 RED	青 BLU	黄 YEL	橙 ORG	黒・白 BLK WHT
STEP					
1	—	—	0	0	+
2	0	—	—	0	+
3	0	0	—	—	+
4	—	0	0	—	+



GENERAL SPECIFICATIONS

Motor Length (mm)	34
Coil Construction	Unipolar**
Step Angle	1.8°
Step Angle Tolerance*	± 0.09°
Steps per Revolution	200
Max Temperature Rise	80°C
Ambient Temperature Range Operating	-20°C to 50°C
Ambient Temperature Range Storage	-20°C to 60°C
Bearing Type	Ball. Double Shielded
Insulation Resistance at 500Vdc	100 megohms
Dielectric Withstanding Voltage	600 Vac for 1 minute
Radial Play	0.02mm Max. (450g Load)
End Play	0.08mm Max. (450g Load)
Weight (g)	200

* Measured with 2 phases energized

** You can use motor as bipolar by changing the wiring as follows

Phase A : RED(or YEL) & BLK , Phase B : BLU(or ORG) & WHT = Resistance is same as unipolar

Phase A : RED & YEL , Phase B : BLU & ORG = Resistance will be twice as much of unipolar

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MODEL SPECIFICATIONS

Part Number	17PM-K019-05VA	17PM-K006-06VA	17PM-K002-08VA	
	17PM-K019-05VB	17PM-K006-06VB	17PM-K002-08VB	
Drive Method	Chopper	Chopper	Chopper	Constant V
DC Supply Voltage (V)	24	24	24	12
DC Motor Voltage (V)	4	9.6	12	
Rated Current per Phase (A)	0.95	0.4	0.31	
Resistance per Phase (Ω)	4.2	24	38.5	
Inductance per Phase (mH)	2.8	30	50	
Holding Torque (Kgf-cm)*	1.6	1.6	1.6	
Rotor Moment of Inertia (g-cm ²)	81	230	230	

* Measured with 2 phases energized

SPEED TORQUE CURVES

