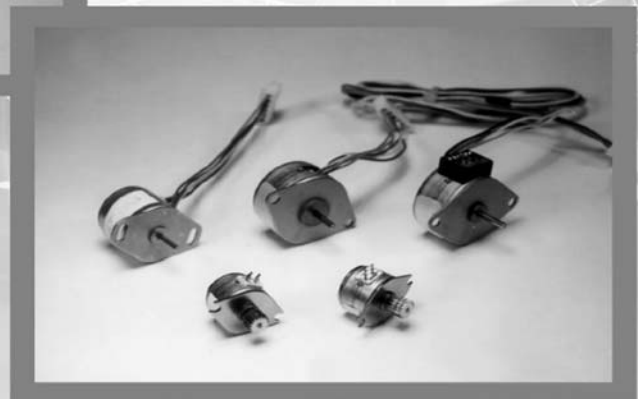
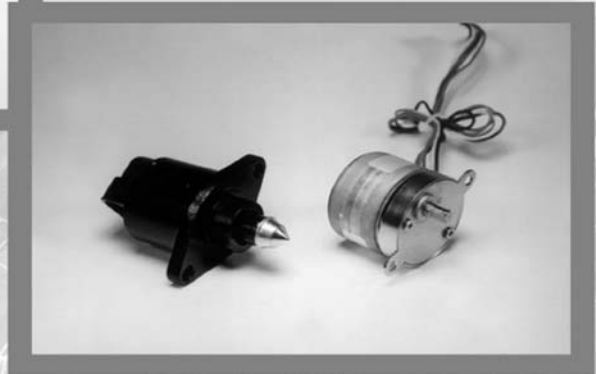


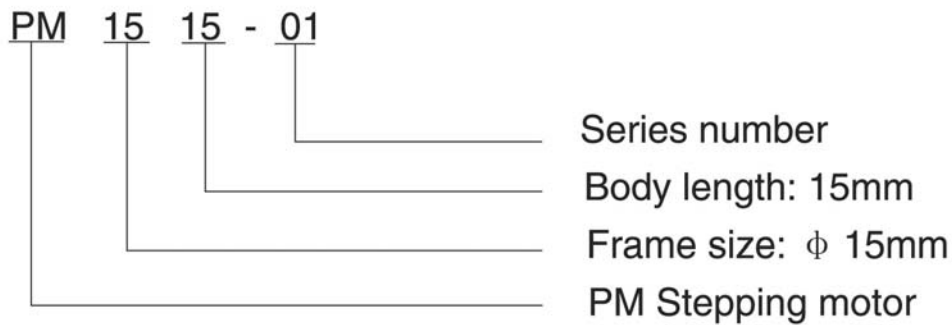


FULLING MOTOR

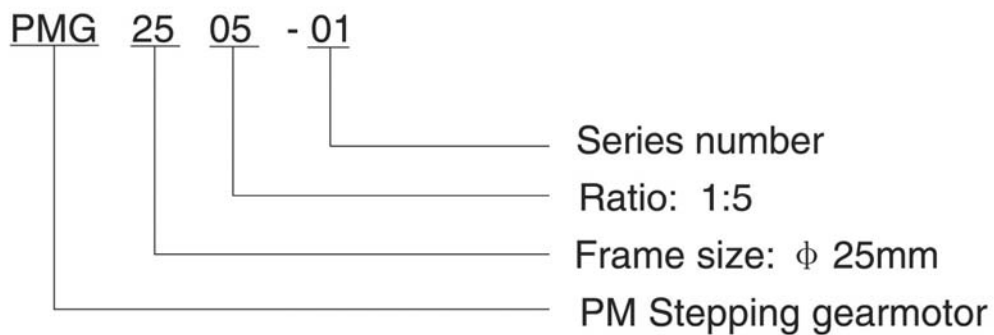


PM Stepping Motor & PM Stepping Gearmotor

◆ Product Number Code For PM Stepping Motor



◆ Product Number Code For PM Stepping Gearmotor



PM STEPPING MOTOR

PM15/20/25 SERIES

◆ General Specification for PM Stepping Motor

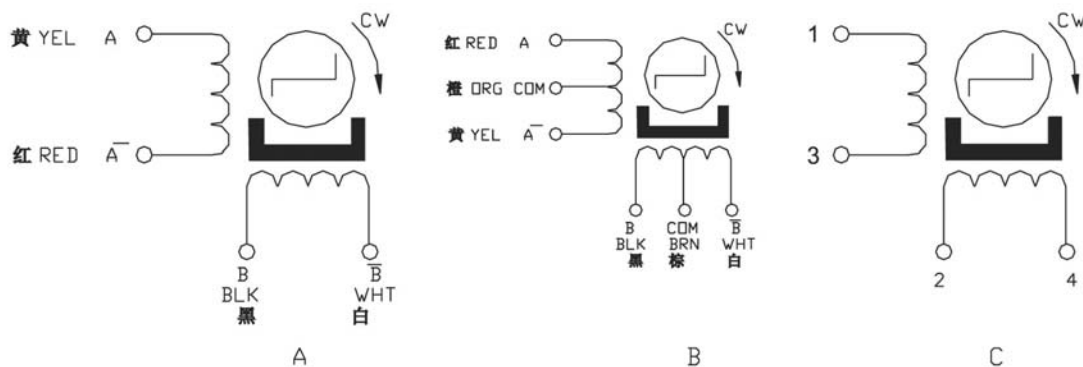
Item	Specifications
Step Angle Accuracy	±8% (full step, no load)
Resistance Accuracy	± 10%
Inductance Accuracy	± 20%
Temperature Rise	80°CMax.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min. ,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.06Max. (450 g-load)
Shaft Axial Play	0.08Max. (450 g-load)



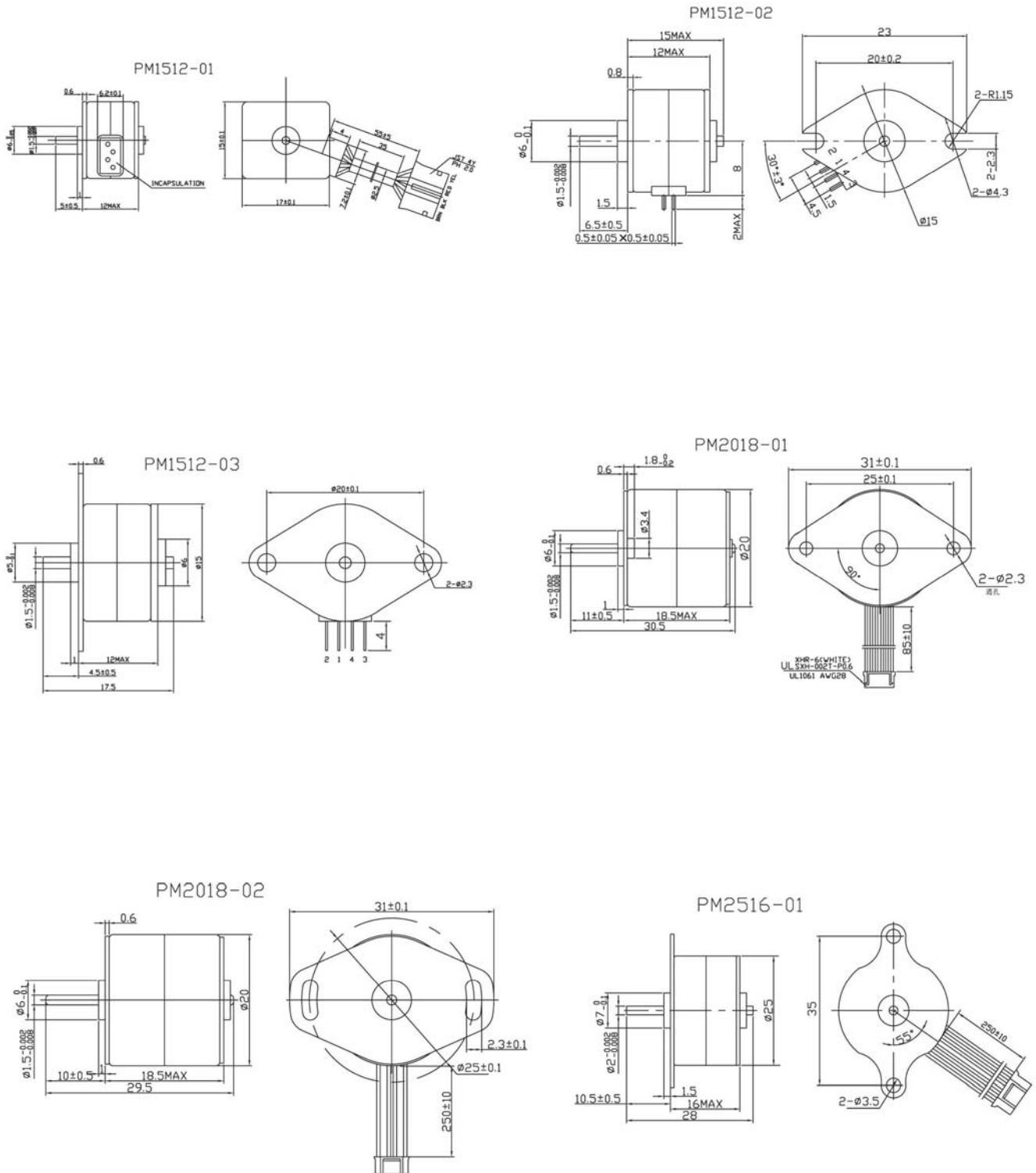
◆ SPECIFICATIONS:

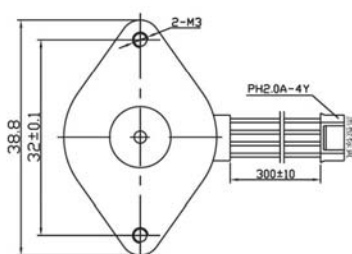
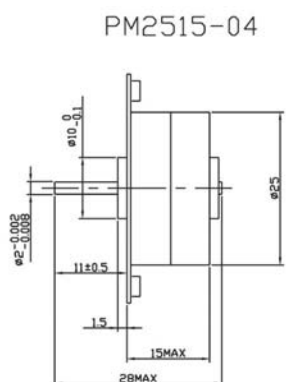
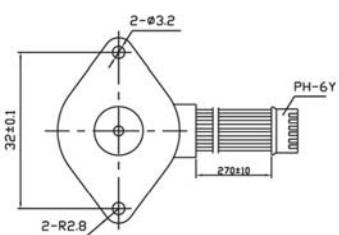
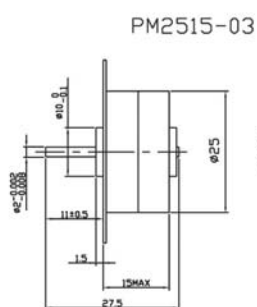
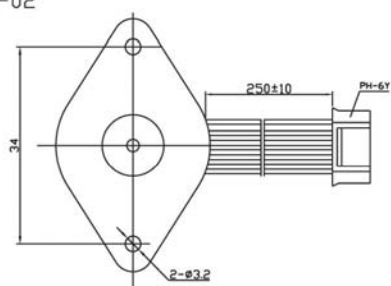
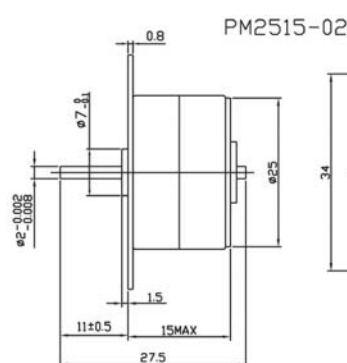
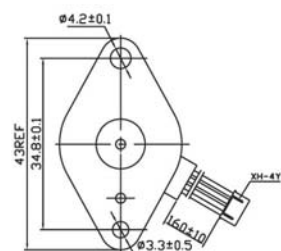
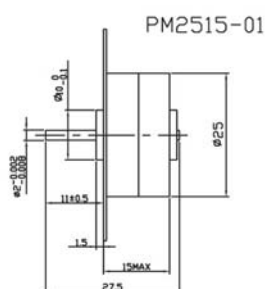
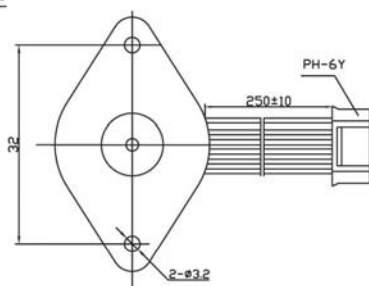
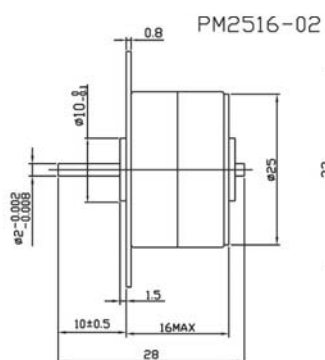
Model	Step Angle (Deg.)	No. of Phase	Voltage (V)	Current /Phas (A)	Resistance /Phase (ohms)	Holding Torque (g.cm)	Detent Torque (g.cm)	Rotor Inertia (g.cm ²)	Wire Diagram
PM1512-01	18	2	12	0.04	300	40	10	<1	A
PM1512-02	18	2	5	0.5	10	27	6		C
PM1512-03	18	2	12	0.065	190	40	10		C
PM2018-01	18	4	12	0.24	50	80	25		B
PM2018-02	18	2	5	0.5	10	60	20		A
PM2516-01	15	4	9	0.45	20	140	75		B
PM2516-02	15	4	12	0.4	30	130	75		B
PM2515-01	7.5	2	12	0.24	50	170	45		A
PM2515-02	7.5	4	12	0.25	50	160	35		B
PM2515-03	7.5	4	5	0.5	10	120	45		B
PM2515-04	7.5	2	5	0.5	10	110	40		A

◆ WIRING DIAGRAM:



◆ **DIMENSIONS:**



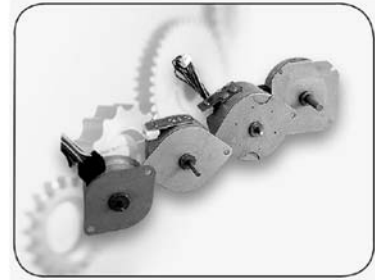


PM STEPPING MOTOR

PM35/42/49/57 SERIES

◆ General Specification for PM Stepping Motor

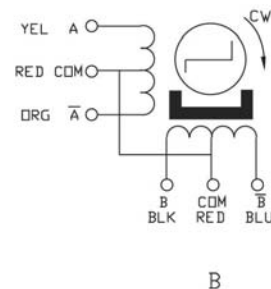
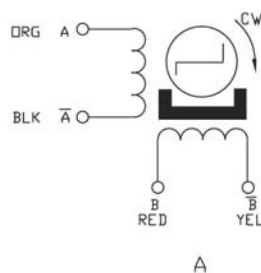
Item	Specifications
Step Angle Accuracy	±8% (full step, no load)
Resistance Accuracy	± 10%
Inductance Accuracy	± 20%
Temperature Rise	80°CMax.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min. ,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.06Max. (450 g-load)
Shaft Axial Play	0.08Max. (450 g-load)



◆ SPECIFICATIONS:

Model	Step Angle (Deg.)	No. of Phase	Voltage (V)	Current /Phase (A)	Resistance /Phase (ohms)	Holding Torque (g.cm)	Detent Torque (g.cm)	Rotor Inertia (g.cm^2)	Wire Diagram
PM3522-01A	15	2	5	0.46	11	335	125	7.5	A
PM3522-02A	15	4	5	0.46	11	300			B
PM3522-01B	7.5	4	5	0.862	5.8	550			A
PM3522-02B	7.5	2	5	0.5	10				B
PM3522-03B	7.5	2	12	0.2	608				
PM3516-01	7.5	4	12	0.255	47	300			65
PM3516-02	7.5	2	5	0.42	12	350	75	A	
PM4222-01A	7.5	4	12	0.8	15	800	210	9.6	B
PM4222-02A	7.5	2	4.2	0.6	7	800	210		A
PM4222-01B	7.5	2	12	0.13	95	550	100	7.5	
PM4222-02B	7.5	4	5	0.81	6.2	600	110		B
PM4217-01	7.5	4	12	0.24	50	600	90		9.6
PM4217-02	7.5	2	5	0.59	8.6	500	100	A	
PM4930-01	7.5	2	5	0.9	5.5	1700	350	<14.5	
PM5725-01	7.5	4	12	0.6	21	1500	425	<12.5	B
PM5725-02	7.5	2	5.6	0.625	9	1200			A

◆ WIRING DIAGRAM:

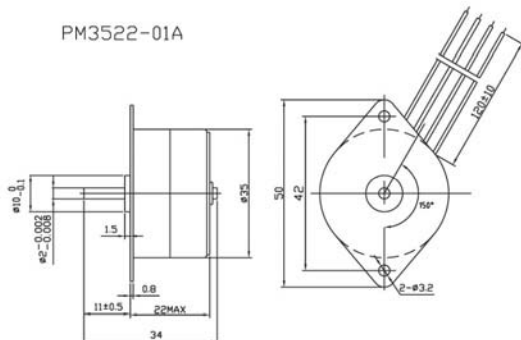




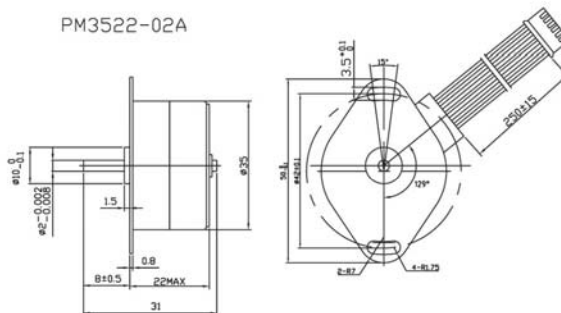
FULLING MOTOR

◆ DIMENSIONS:

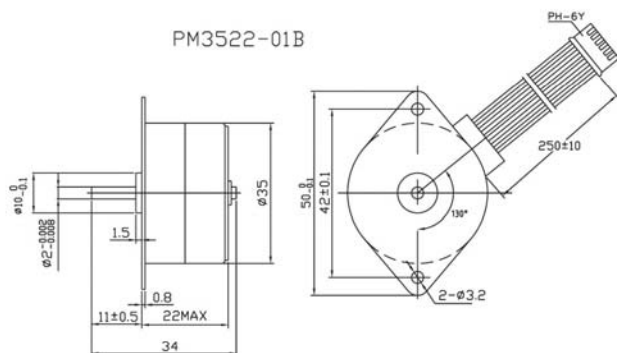
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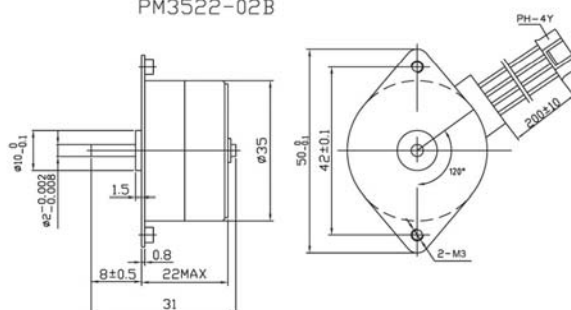
PM3522-02A



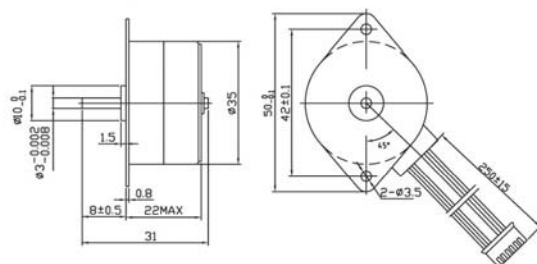
PM3522-01B



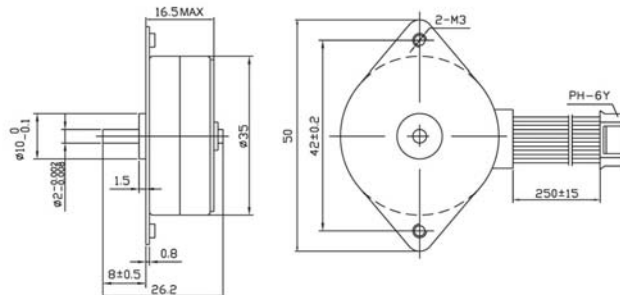
PM3522-02B



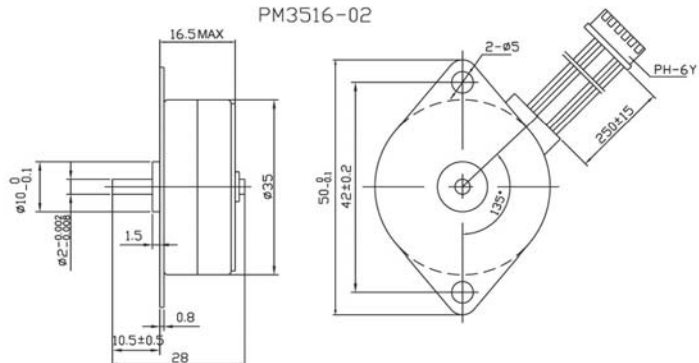
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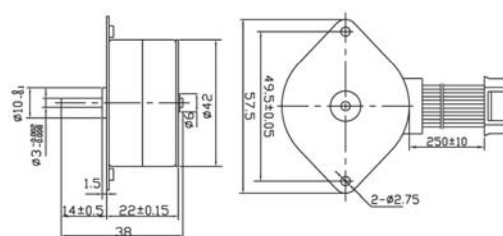
PM3516-01



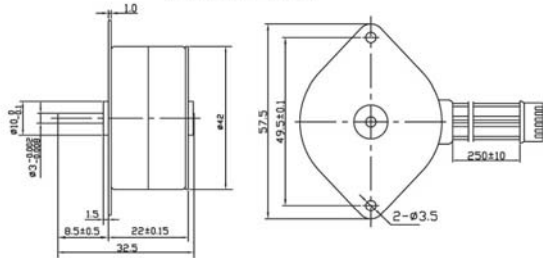
PM3516-02



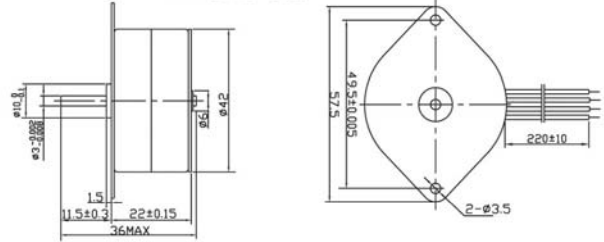
PM4222-01A



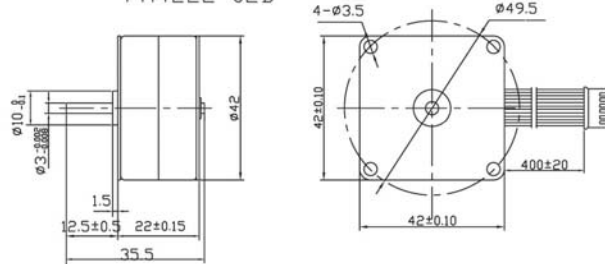
PM4222-02A



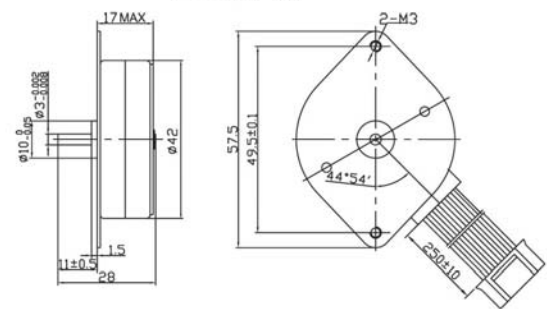
PM4222-01B



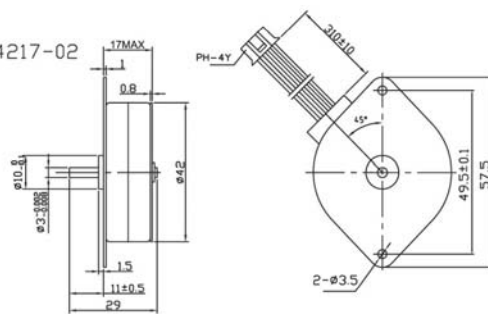
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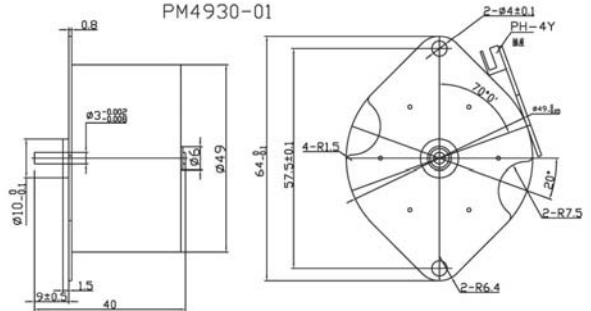
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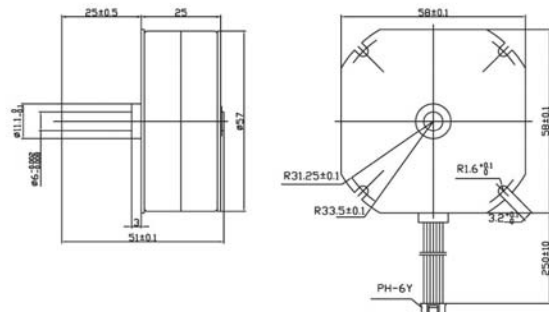
PM4217-02



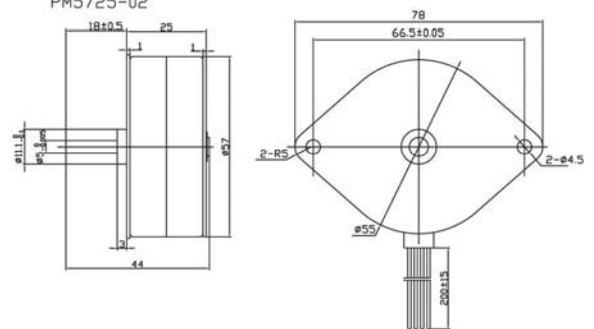
PM4930-01



PM5725-01



PM5725-02



PM STEPPING GEARMOTOR

PMG25/35 SERIES

◆ General Specification for PM Stepping Gearmotor

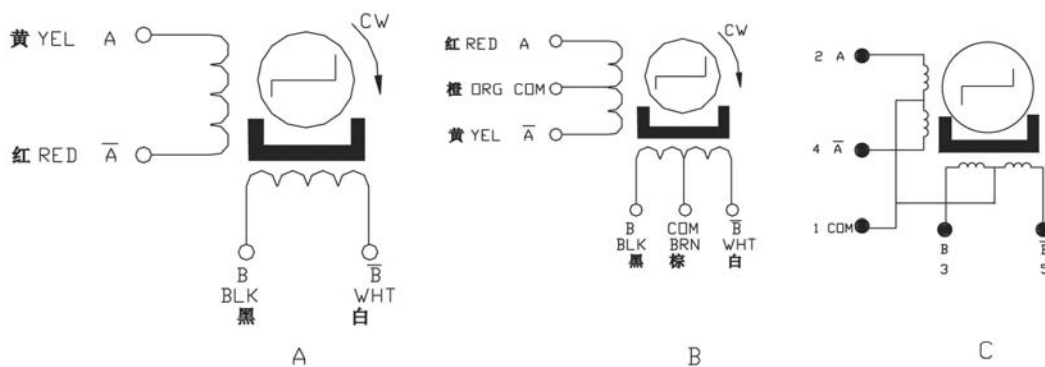
Item	Specifications
Step Angle Accuracy	±7% (full step, no load)
Resistance Accuracy	± 10%
Temperature Rise	80°C Max. ambient temperature 40°C
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩ Min. ,500VDC
Dielectric Strength	650VAC for one second, leakage current 1mA



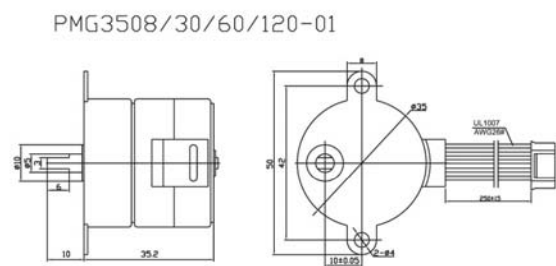
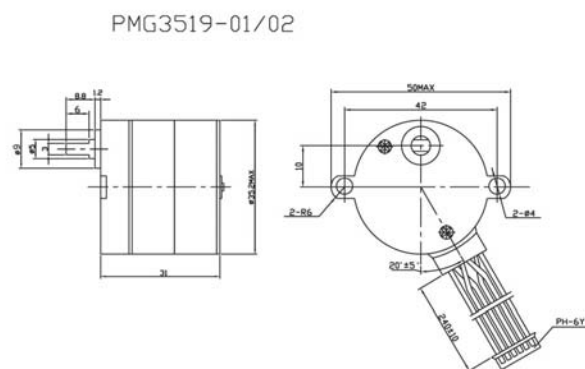
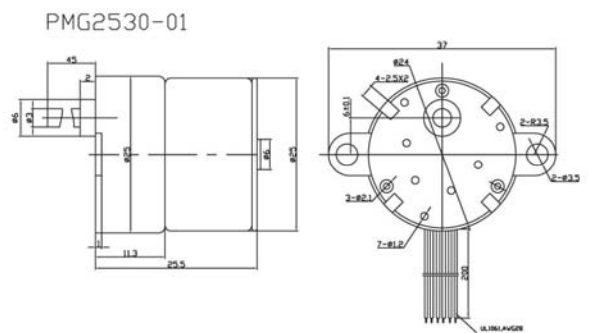
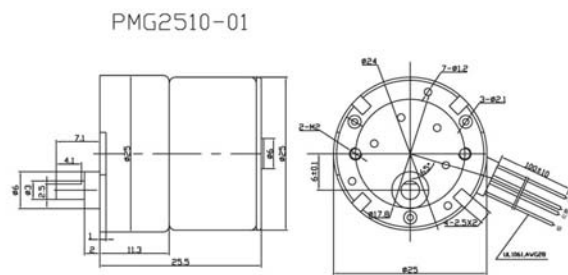
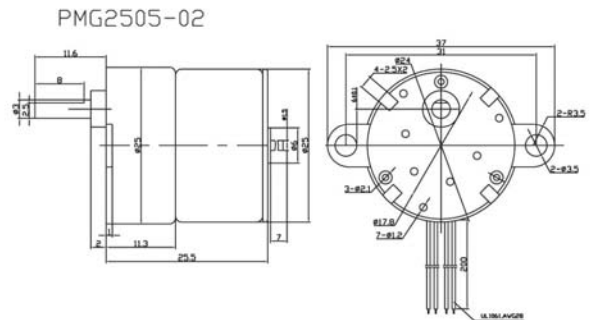
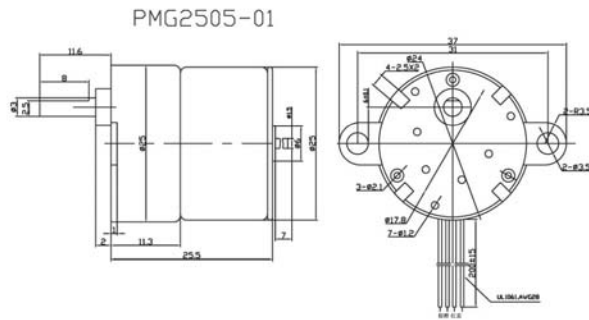
◆ SPECIFICATIONS:

Model	Step Angle (Deg.)	No. of Phase	Voltage (V)	Current /Phas (A)	Resistance /Phase (ohms)	Holding Torque (g.cm)	Detent Torque (g.cm)	Ratio	Wire Diagram
PMG2505-01	7.5/5	2	2.6	0.52	5	450	<150	1:5	A
PMG2505-02	15/5	2	3.5	0.365	9.6	500	<150	1:5	
PMG2510-01	7.5/10	2	2.8	0.467	6	1400	<500	1:10	
PMG2530-01	7.5/30	4	13.3	0.11	120	4000	<1400	1:30	B
PMG3519-01	7.5/19	4	24	0.218	110	1200	<2280	1:19.25	C
PMG3519-02	7.5/19	4	12	0.4	30	1000	<2600	1:19.25	
PMG3508-01	7.5/8.4	4	12	0.4	30	4100	<500	1:8.4	
PMG3530-01	7.5/30	4	12	0.4	30	15000	<1500	1:30	
PMG3560-01	7.5/60	4	12	0.4	30	28000	<3000	1:60	
PMG35120-01	7.5/120	4	12	0.4	30	50000	<6000	1:120	

◆ WIRING DIAGRAM:



◆ DIMENSIONS:



BYJ STEPPING GEARMOTOR

24/28/30/35BYJ SERIES

● INDICATIONS OF THE MODEL

35 BYJ 46 ----- 12 ----- 110

① ② ③ ④ ⑤

① FRAME ② SORT ③ STEP/REV ④ VOLTAGE ⑤ RESISTANCE

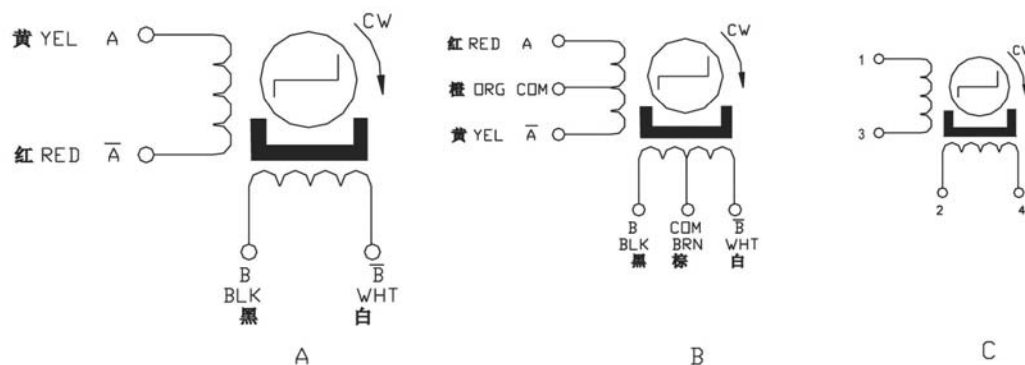
● General Specification for PM Stepping Motor

Item	Specifications
Resistance Accuracy	± 7% at 25°C
Temperature Rise	60k Max.(rated voltage, 100pps)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100M Ω Min.,500VDC
Dielectric Strength	600VAC for one second, leakage current 1mA

● SPECIFICATIONS:

Model	VOLTAGE (v)	No. of phase	Resistance /Phase (ohms)	STEP ANGLE (DEG)	RATIO	PULL-IN TORQUE AT 100PPS (g.cm)	PULL-IN RATE (PPS)	Detent Torque (g.cm)	Wire Diagram
24BYJ64-05-025	5	2	25	5.625/64	1:64	>=300	>=400	>=300	A
28BYJ48-12-300	12	4	300	5.625/64	1:64	>=300	>=500	>=200	C
30BYJ48-12-300	12	4	300	7.5/85.25	1:85.25	>=400	>=350	>=400	C
35BYJ46-12-110	12	4	110	7.5/85.25	1:85.25	>=1000	>=500	>=800	B

● WIRING DIAGRAM:

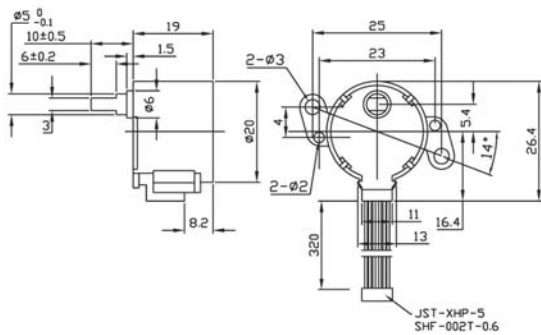




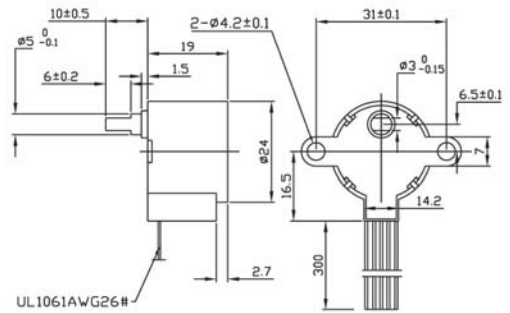
FULLING MOTOR

● DIMENSIONS:

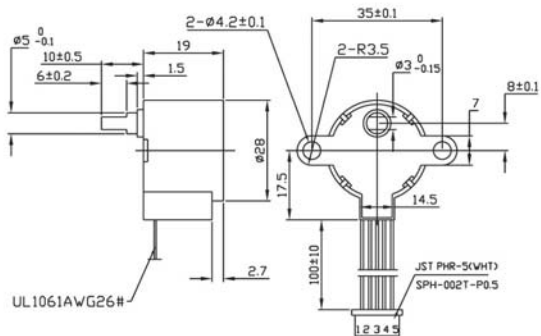
20BYJ48-12-300



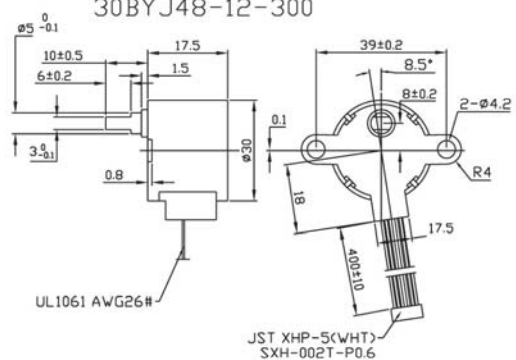
24BYJ64-05-025



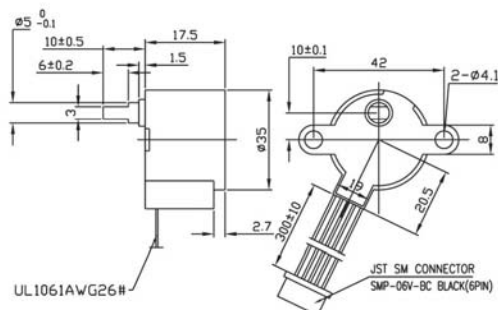
28BYJ48-12-300



30BYJ48-12-300

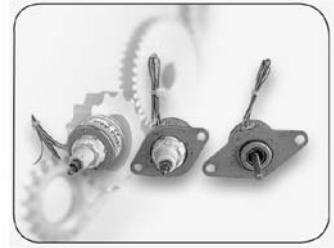


35BYJ46-12-110



LINEAR PM STEPPING MOTOR

25BYZ SERIES



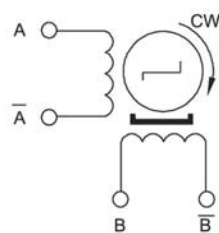
● SPECIFICATIONS:

Captive Non captive

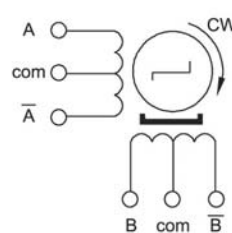
Model	Step Angle (Deg.)	No.of phase	Voltage (V)	Current (A)	Resistance (Ω)	Step Avail (mm)	Push Torque (N)	Journey (mm)	Leads	Wdg	Fig
25BYZ-A01	15	2	12	0.23	53	0.0417	25	12	AF-200 AWG28#	a	1
25BYZ-A02	15	4	12	0.23	53	0.0417	25	12	UL1061 AWG28#	b	1
25BYZ-A04	15	4	5	0.23	22	0.0417	7	12	UL1061 AWG28#	b	1
25BYZ-A05	15	2	5	0.23	22	0.0417	10	12	AF-200 AWG28#	a	2
25BYZ-A01(09)	15	2	12	0.23	53	0.0417	25	12	AF-200 AWG28#	a	3
25BYZ-B01	15	2	12	0.23	53	0.0417	25	40	AF-200 AWG28#	a	4
25BYZ-B02	15	2	6	0.5	12	0.0417	7.5	40	AF-200 AWG28#	a	4
25BYZ-B03	15	2	12	0.5	24	0.0417	30	40	AF-200 AWG28#	a	4
25BYZ-B04	15	4	5	0.23	22	0.0417	30	40	UL1061 AWG28#	b	4

● WIRING DIAGRAM:

Wdg a



Wdg b



● FIGURE:

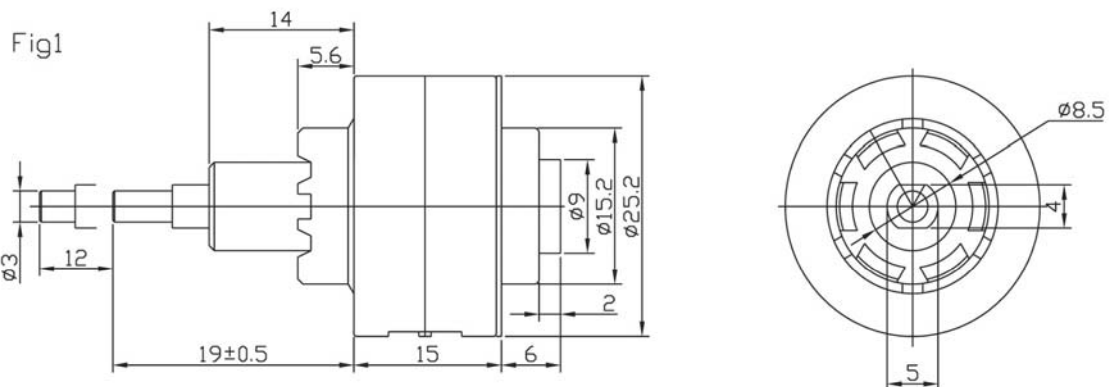


Fig2

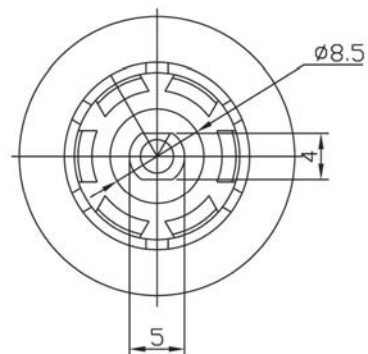
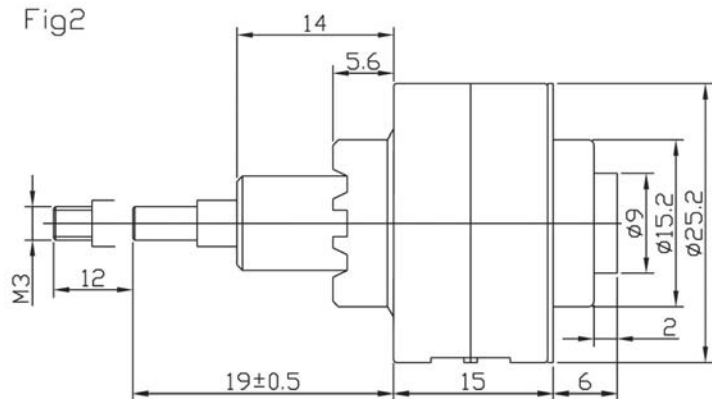


Fig3

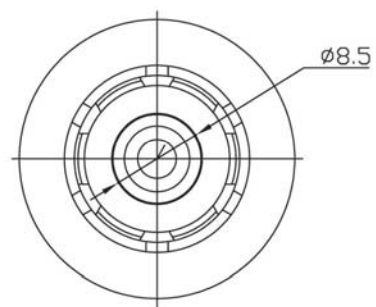
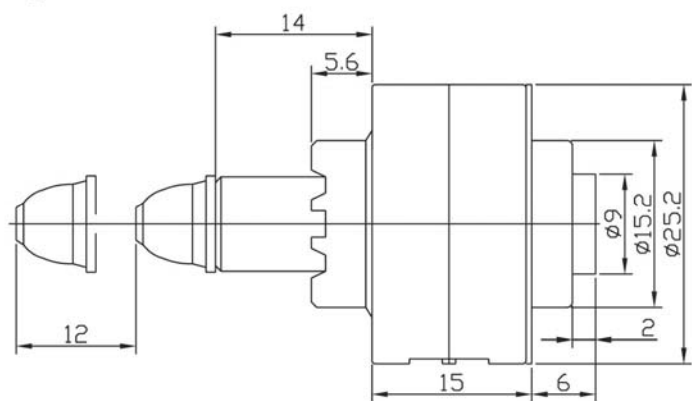
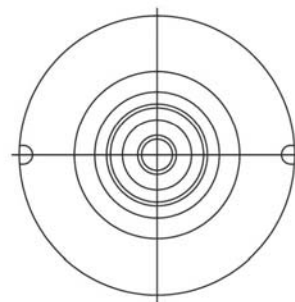
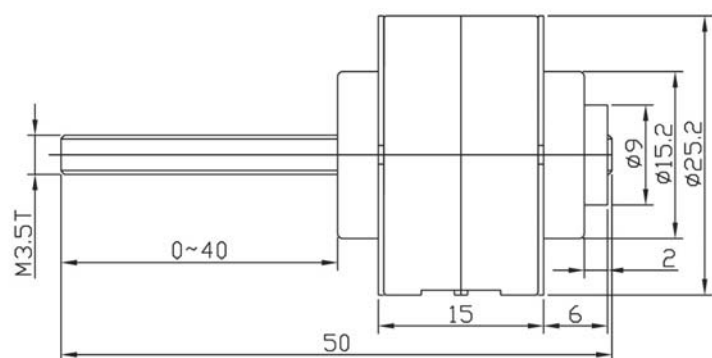
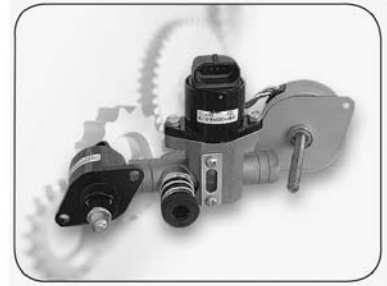


Fig4



LINEAR PM STEPPING MOTOR

35/57BYZ SERIES

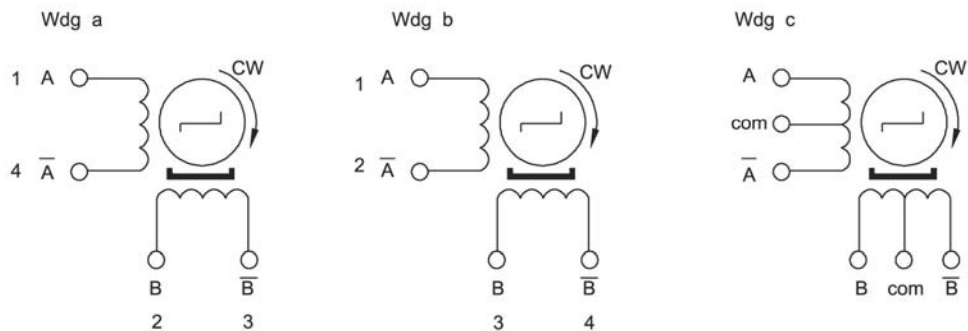


● SPECIFICATIONS:

Captive Non captive

Model	Step Angle (Deg.)	No.of phase	Voltage (V)	Current (A)	Resistance (Ω)	Inductance (mH)	Step Avail (mm)	Push Torque (N)	Journey (mm)	Wdg	Fig
35BY42Z01A-02	15	2	12	0.23	53	23.4	0.0417	25	12	a	1
35BY42Z01B-09	15	2	12	0.23	53	23.4	0.0417	25	12	a	2
35BY42Z01B-10	15	2	12	0.23	53	23.4	0.0417	25	12	a	3
35BY42Z01B-10T	15	2	12	0.23	53	23.4	0.0417	25	12	a	4
35BY42Z01B-01TA	15	2	12	0.23	53	23.4	0.0417	25	12	a	6
35BY42Z01B-01TB	15	2	12	0.23	53	23.4	0.0417	25	12	a	7
35BY42Z02C-08	15	2	12	0.23	53	23.4	0.0417	25	12	b	5
57BYZ01-B01	7.5	4	12	0.23	25	29	0.025	31	12	c	8

● WIRING DIAGRAM:



● FIGURE:

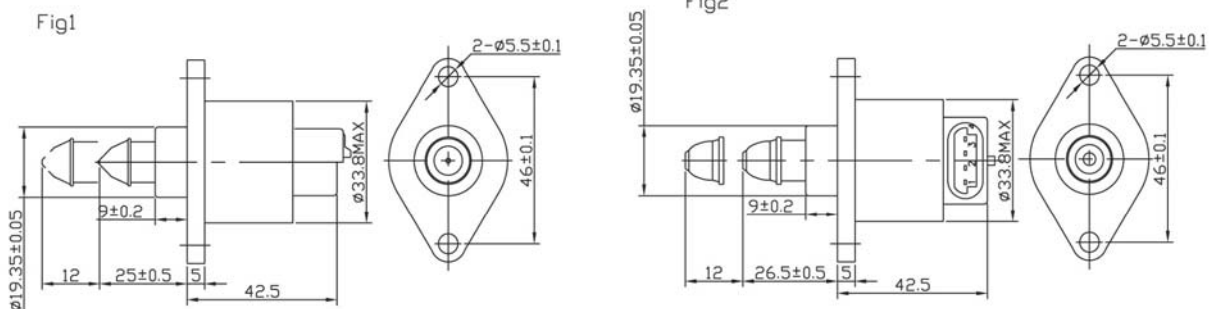


Fig3

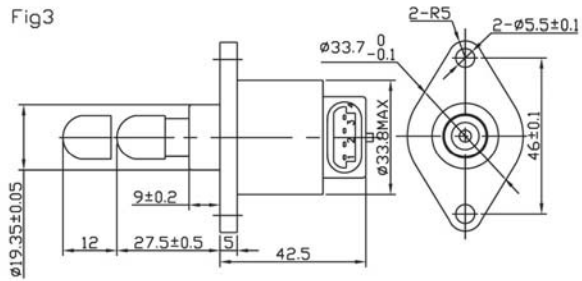


Fig4

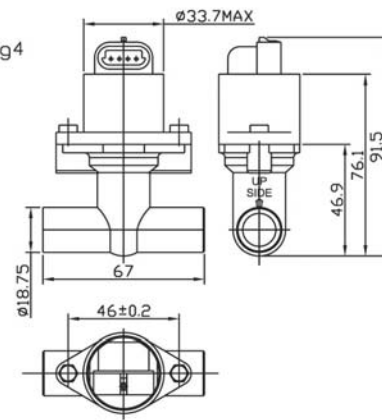


Fig5

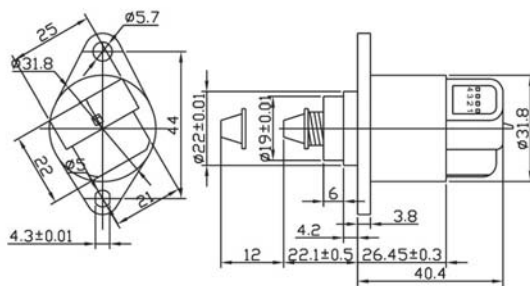


Fig6

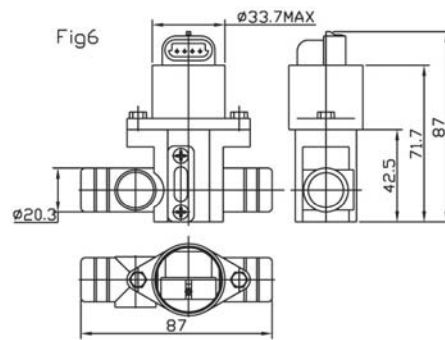


Fig7

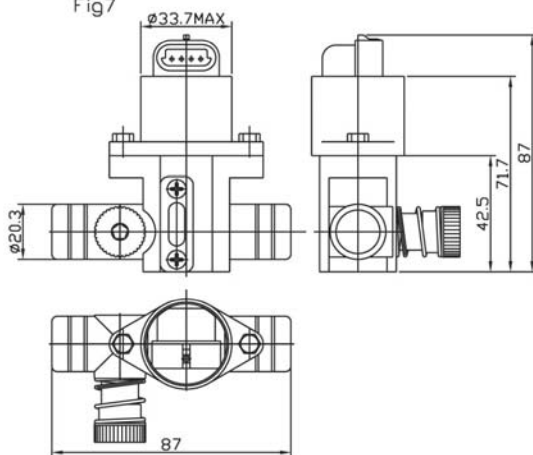
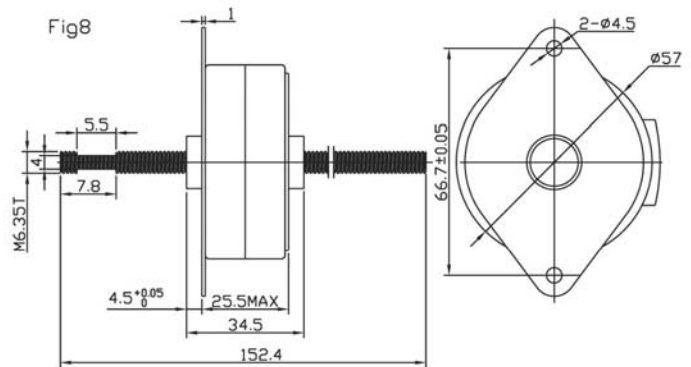


Fig8



PM STEPPING MOTOR WITH THREAD ON SHAFT

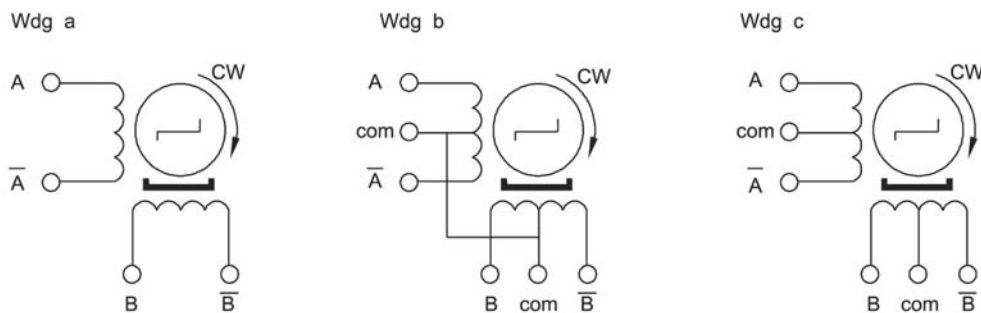
15/20/25/35/42/57BYT SERIES

● SPECIFICATIONS:



Model	Step Angle (Deg.)	No.of phase	Voltage (V)	Current (A)	Resistance (Ω)	Holding Torque (g.cm)	Pull-in Torque (g.cm)	Detent Torque (g.cm)	Leads	Wdg	Fig
15BYT-01	18	2	12	0.07	170	40	5(at 500Hz)	16	UL1571 30AWG	a	1
20BYT-01	18	2	5	0.5	10	60	10(at 200Hz)	20		a .c	2
25BYT48-01	7.5	4	5	0.5	10	120	40(at 100Hz)	45	UL1061 28AWG	a .b	3
25BYT24-01	15	4	9	0.45	20	135	20(at 200Hz)	60	UL1061 28AWG	a .b	3
35BYT48L-01	7.5	4	12	0.22	60	520	50(at 200Hz)	125	UL1007 26AWG	b	4
35BYT24L-01	15	4	24	0.28	85	450	110(at 100Hz)	125	UL1007 26AWG	b	4
35BYT48S-01	7.5	4	5	0.71	7	450	60(at 200Hz)	75	UL1007 26AWG	b	5
42BYT48L-01	7.5	4	12	0.18	70	500	60(at 200Hz)	125	UL1007 26AWG	b	6
42BYT48S-01	7.5	4	12	0.3	40	550	70(at 200Hz)	100	UL1007 26AWG	b	7
57BYT48-01	7.5	4	12	0.6	21	1500	320(at 100Hz)	425	UL1007 26AWG	a .c	8

● WIRING DIAGRAM:



● FIGURE:

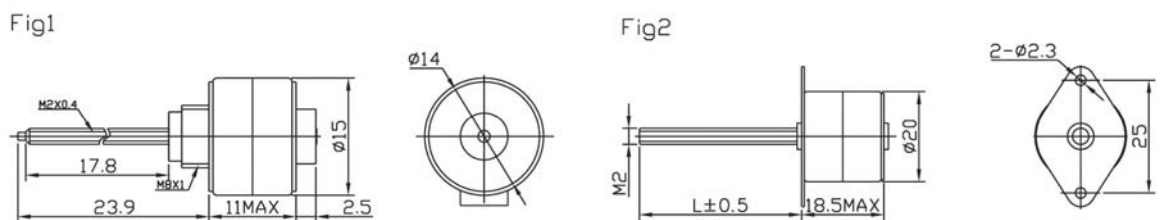


Fig3

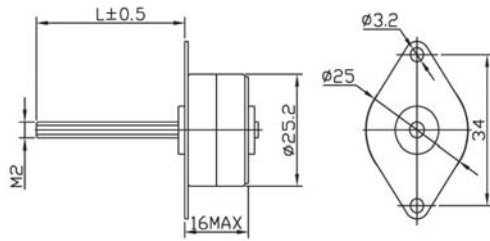


Fig4

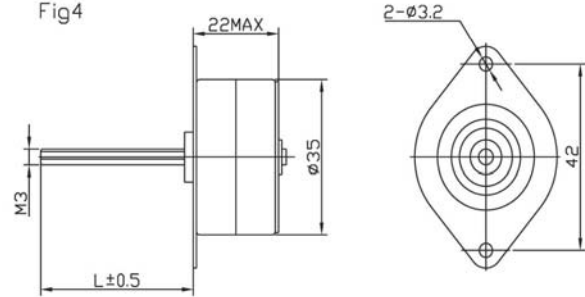


Fig5

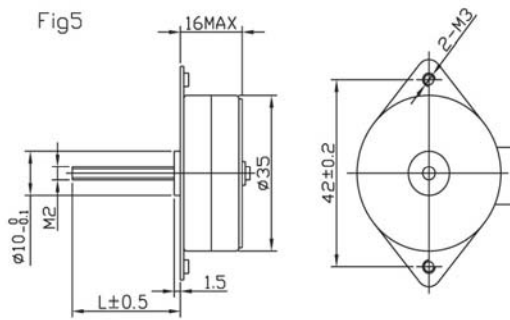


Fig6

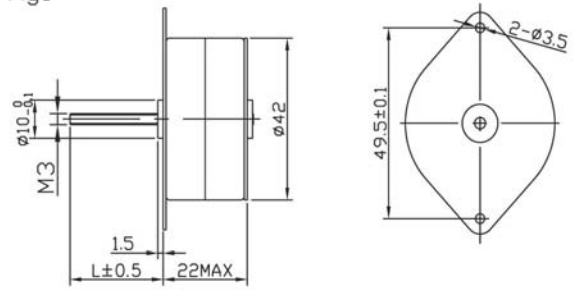


Fig7

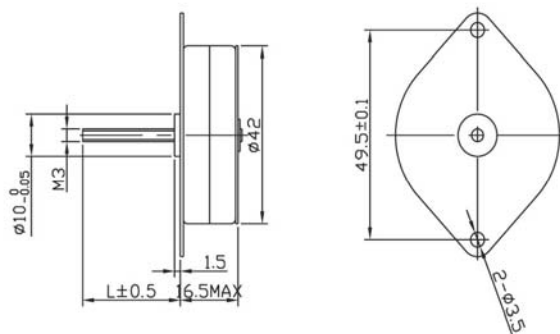


Fig8

