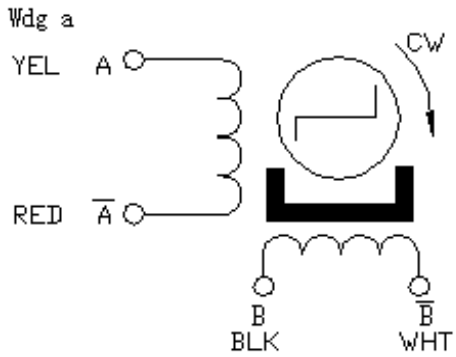
NOSTOP®
PROFESSIONAL MOTOR DESIGNER & MANUFACTURER

Permanent Mangent (PM) Stepping Motor

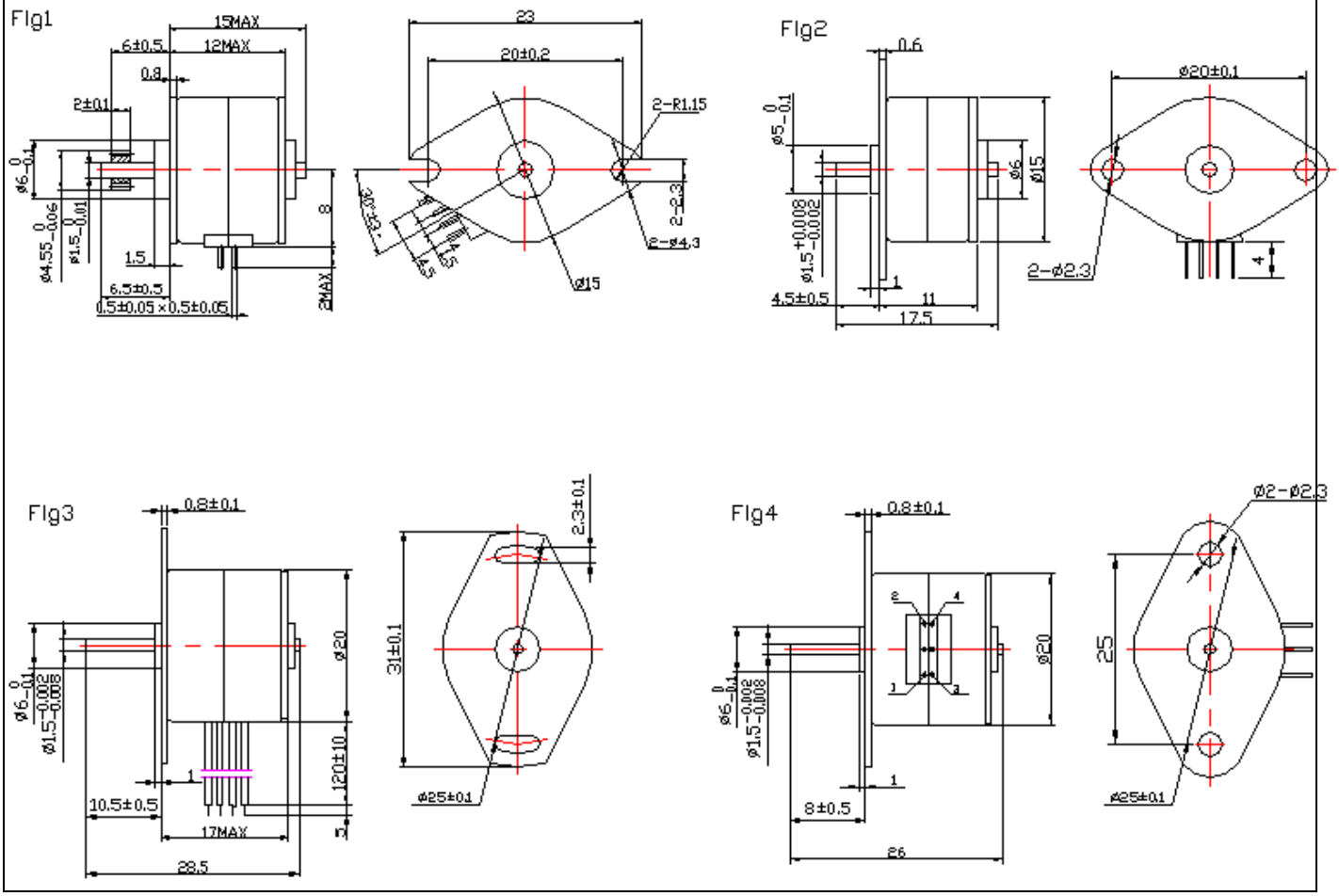
15BY & 20BY Series

Pictures:

Connecting Diagram



Outline Drawing:

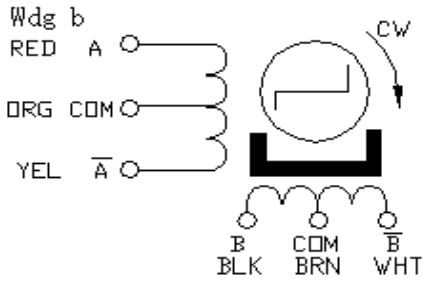


Permanent Mangent (PM) Stepping Motor

25BY Series

Pictures:

Connecting Diagram



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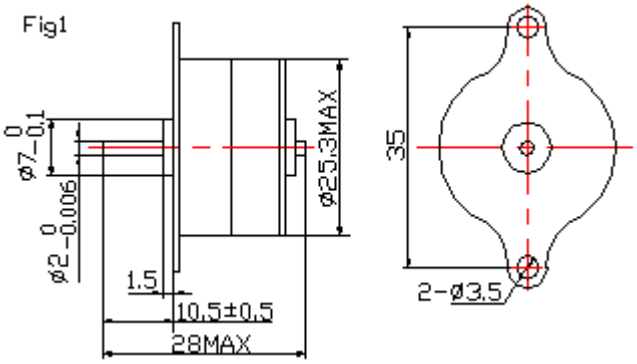
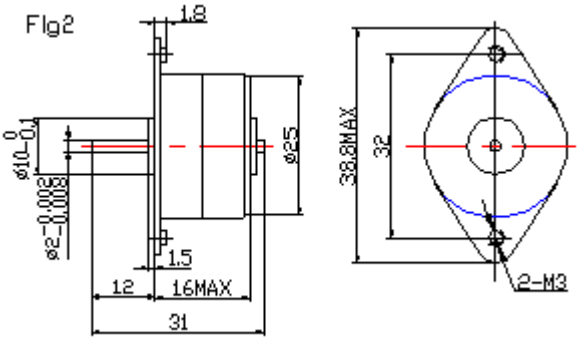
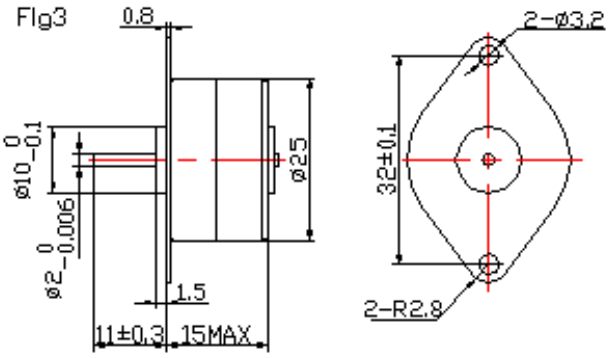
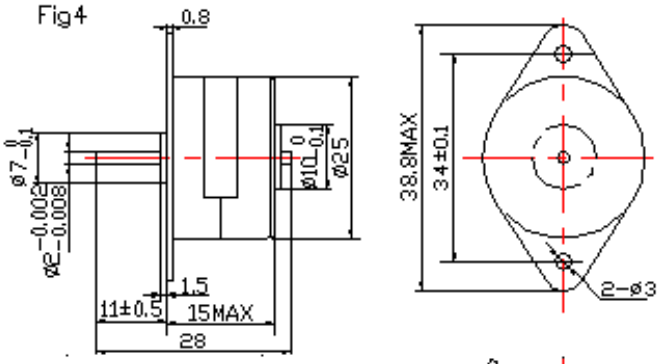
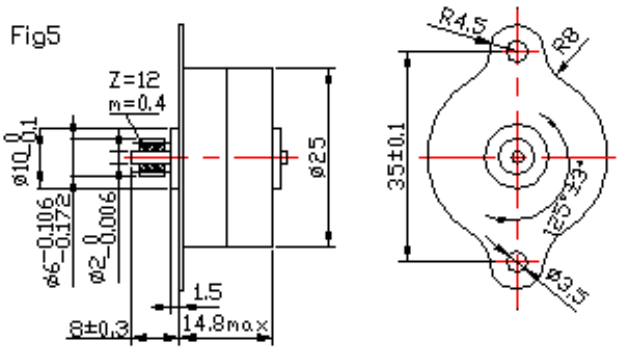
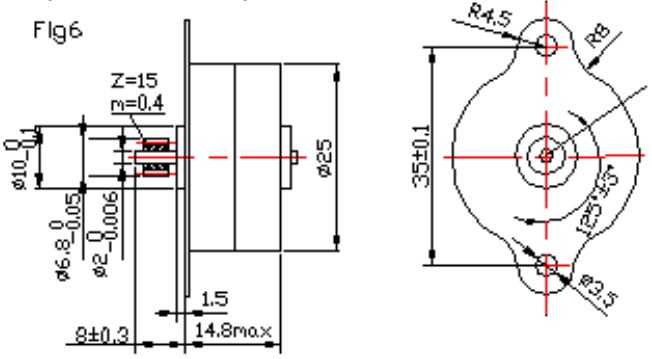












Pictures:

Outline Drawing:

Fig1

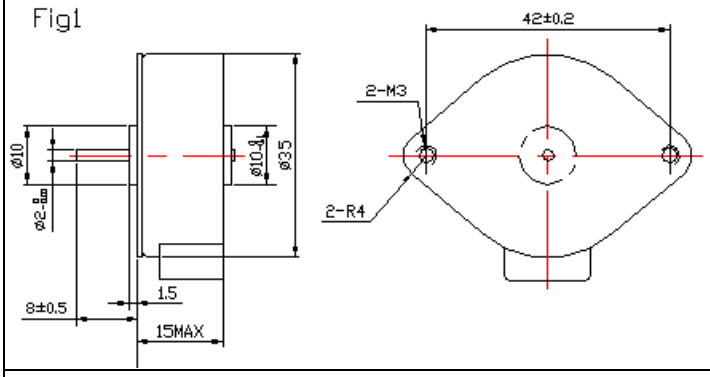


Fig2

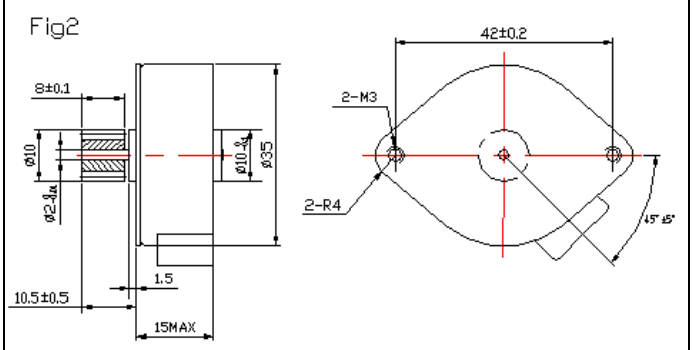


Fig3

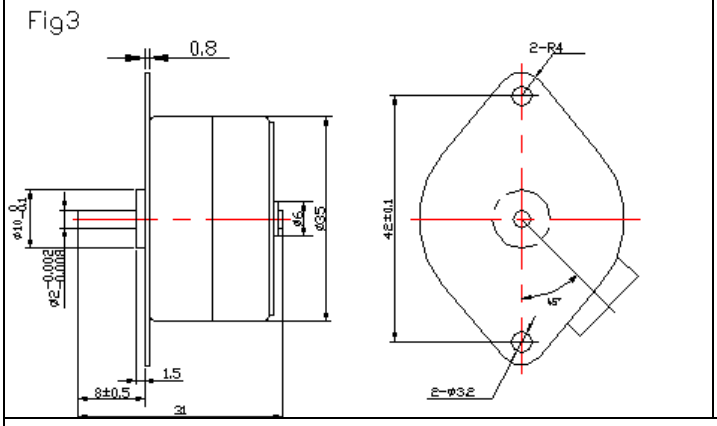
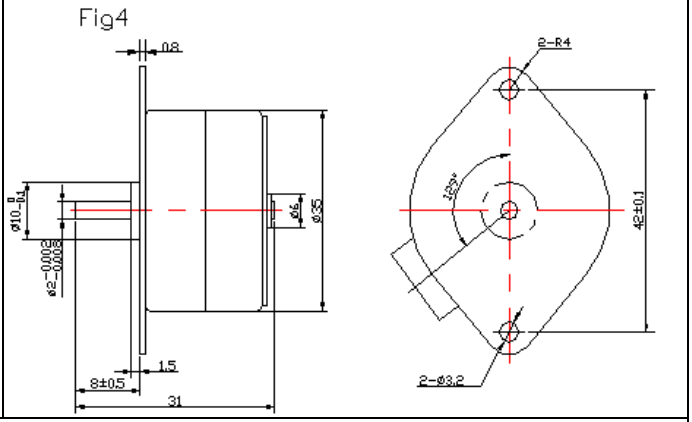
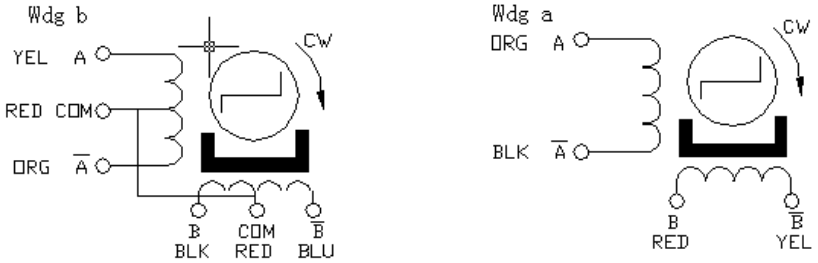


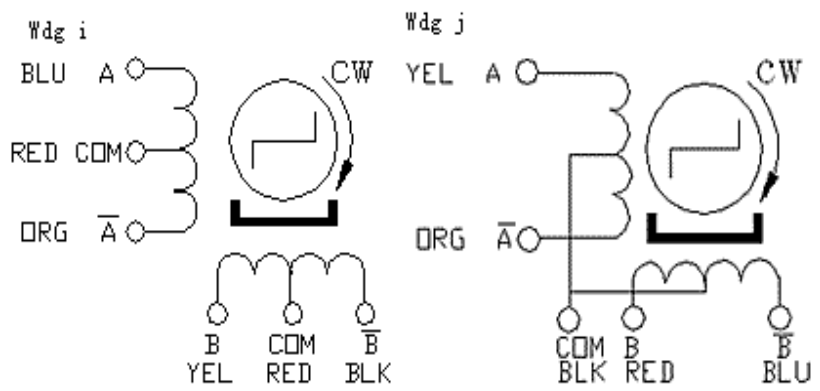
Fig4





42BY Series

Pictures:



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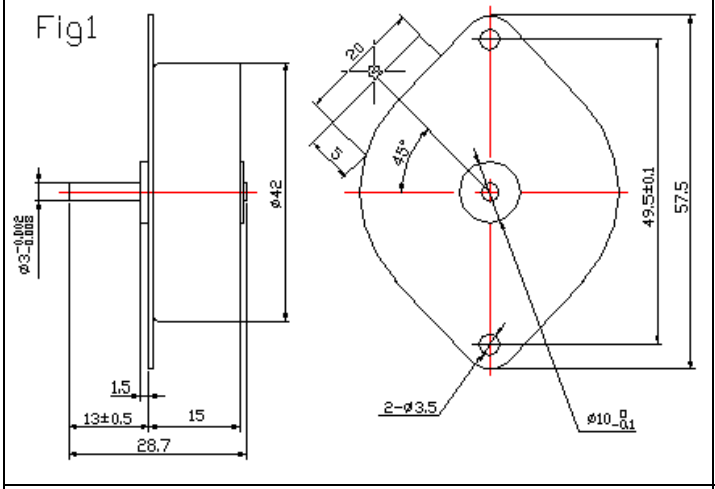
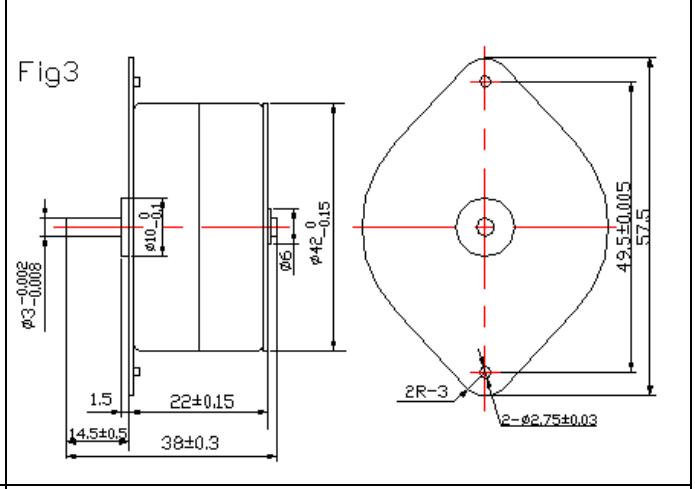
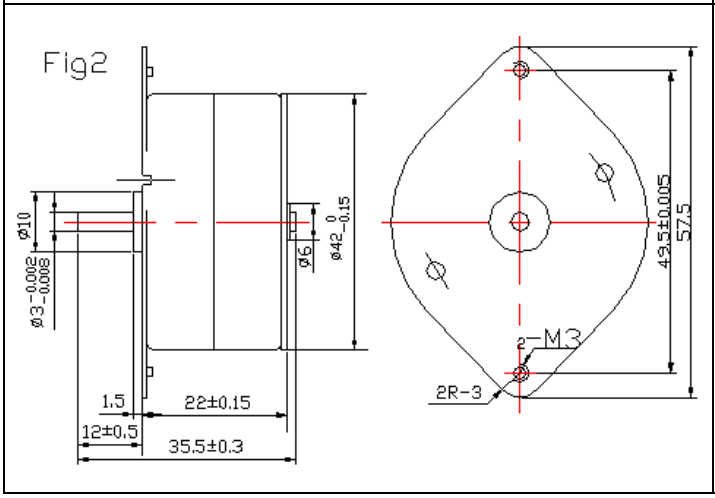
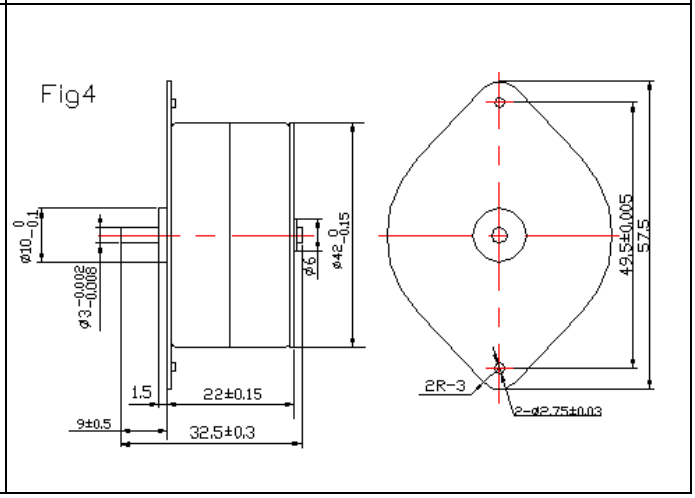


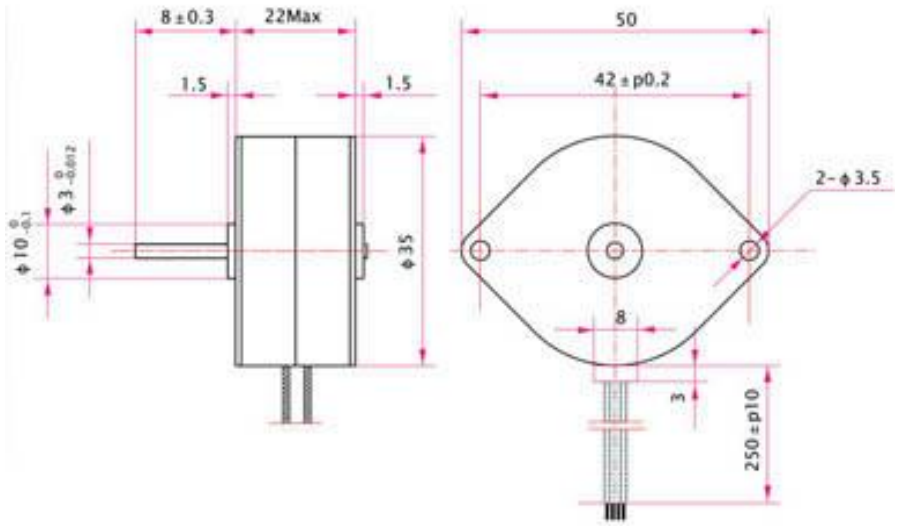
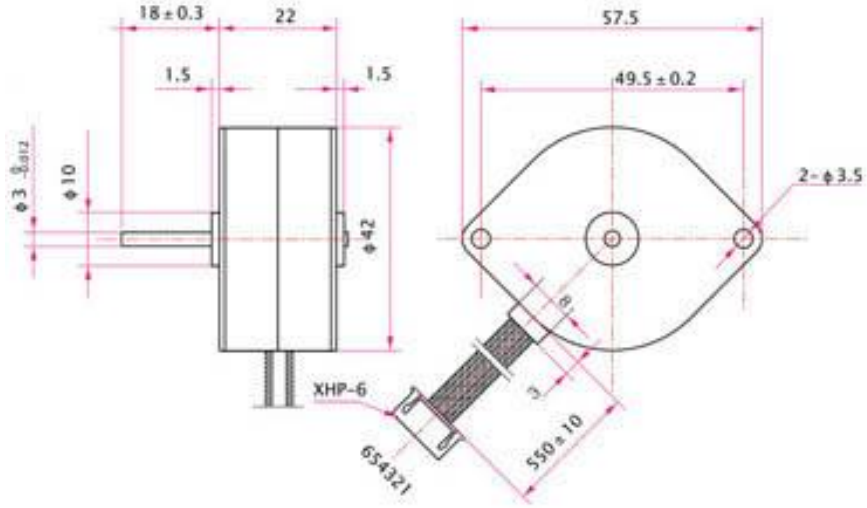






Permanent Mangent (PM) Stepping Motor

35BY & 42BY Series

Outline Drawing:	Model: 35BY48
	
Outline Drawing:	**Model: 42BY48**
	

Main Technical Data: (other specifications can be met as OEM design)

Model	Rated Voltage	Resis-tance	Max. Free Load Pull In Fre.	Pull In Torque	Operating Freq.	Hold in Torque	Max. Heating	Noise	Step Angle	Insulation Degree
	(VAC)	(ohm)	(pps)	(mNm)	(pps)	(mNm)	(K)	[db(A)]	(^{0})	
35BY48	**5.0**	**10.0**	**450**	**8**	**650**	**≥44**	**≤50**	**≤40**	**7.5±7%**	**E**
42BY48	**5.0**	**14.5**	**600**	**12**	**800**	**≥56.84**	**≤50**	**≤40**	**7.5±7%**	**E**

Permanent Mangent (PM) Stepping Motor

Specification List

Main Technical Data: (other specifications can be met as OEM design)

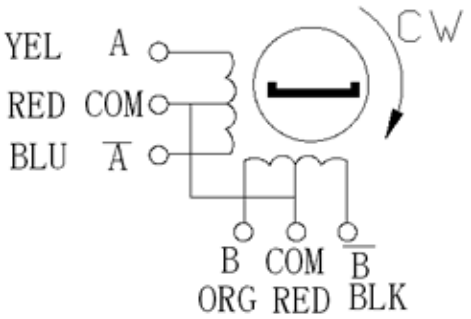
Model	Step Angle	No.Of Phase	Voltage	Current	Resistance	Holding Torque	Deent Torque	Rotor Inertia	Leads	Wdg	Fig
	(°)		(V)	(A)	(Ω)	(G.Cm)	(G.Cm)	(G.Cm2)			
15BY20L01	18	2	5	0.5	10	27	10	0.3		-	1
15BY20L02	18	2	12	0.065	190	40	10	0.3		-	2
15BY20L03	18	2	5	0.25	20	30	10	0.3	UL1061	-	2
15BY20L04	18	2	12	0.24	50	35	10	0.3	AWG28	-	2
20BY20L01	18	2	5	0.5	10	75	30	0.6		a	3
20BY20L02	18	2	5	0.4	13	65	30	0.6		-	4
25BY24L01	15	4	9	0.45	20	150	75	1		b	1
25BY24L02	15	4	12	0.4	30	150	75	1		b	2
25BY48L01	7.5	4	5	0.5	10	110	45	1		b	3
25BY48L02	7.5	4	12	0.24	50	110	45	1	UL1061	b	4
25BY48L03	7.5	4	20	0.4	50	155	45	1	AWG28	b	5
25BY48L04	7.5	4	20	0.4	50	155	45	1		b	6
25BY48L05	7.5	4	24	0.4	60	15	45	1		b	6
25BY48L06	7.5	4	24	0.25	85	120	45	1		b	6
35BY48S01	7.5	2	5	0.71	7	250	65	2.5		a	1
35BY48S02	7.5	2	5	0.42	12	200	65	2.5		a	2
35BY48S03	7.5	4	12	0.26	47	180	65	2.5	UL1061	b	1
35BY48L01	7.5	2	12	0.2	60	550	120	7.9	AWG28	a	3
35BY48L02	7.5	4	24	0.22	110	550	120	7.9		b	4
35BY48L03	7.5	4	48	1.3	13.5	800	120	7.9		b	5
42BY48S01	7.5	4	12	0.3	40	500	100	9.6		i	1
42BY48S02	7.5	4	24	0.2	120	450	100	9.6		i	1
42BY48L01	7.5	4	12	0.2	70	550	110	9.6	UL1007	i	2
42BY48L02	7.5	4	22	0.2	100	800	210	9.6	AWG26	j	3
42BY48L03	7.5	4	19	1.27	15	1100	210	9.6		j	4

Permanent Mangent (PM) Stepping Motor

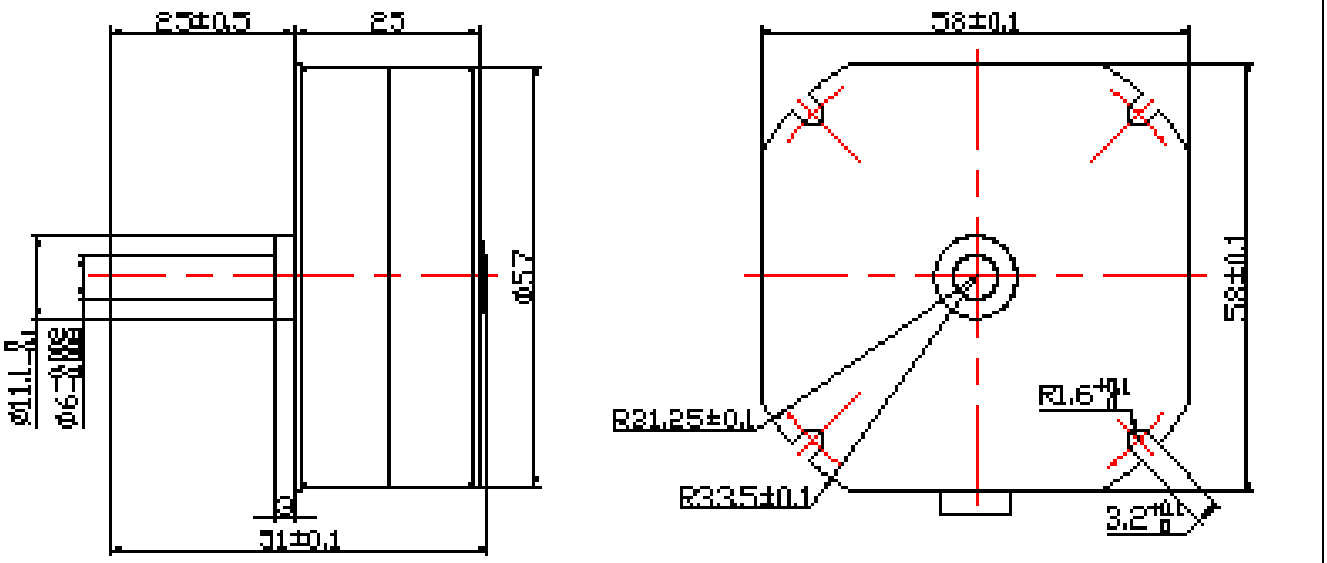
57BY Series

Pictures:

Connecting Diagram



Outline Drawing:

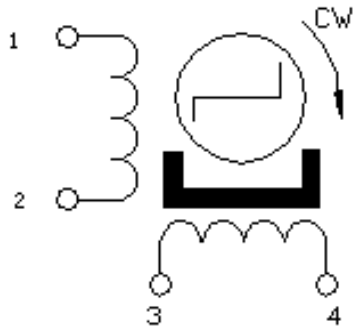


Main Technical Data: (other specifications can be met as OEM design)

Model	Step Angle	No.Of Phase	Voltage	Current	Resistance	Holding Torque	Deent Torque	Rotor Inertia	Leads	Wdg	Fig
	(°)		(V)	(A)	(Ω)	(G.Cm)	(G.Cm)	(G.Cm2)			
57BY48L01	7.5	4	12	0.6	21	1500	425	12.5	UL1007 AWG26	b	1

Permanent Mangent (PM) Stepping Motor

35BY Series

Pictures:	Connecting Diagram
	

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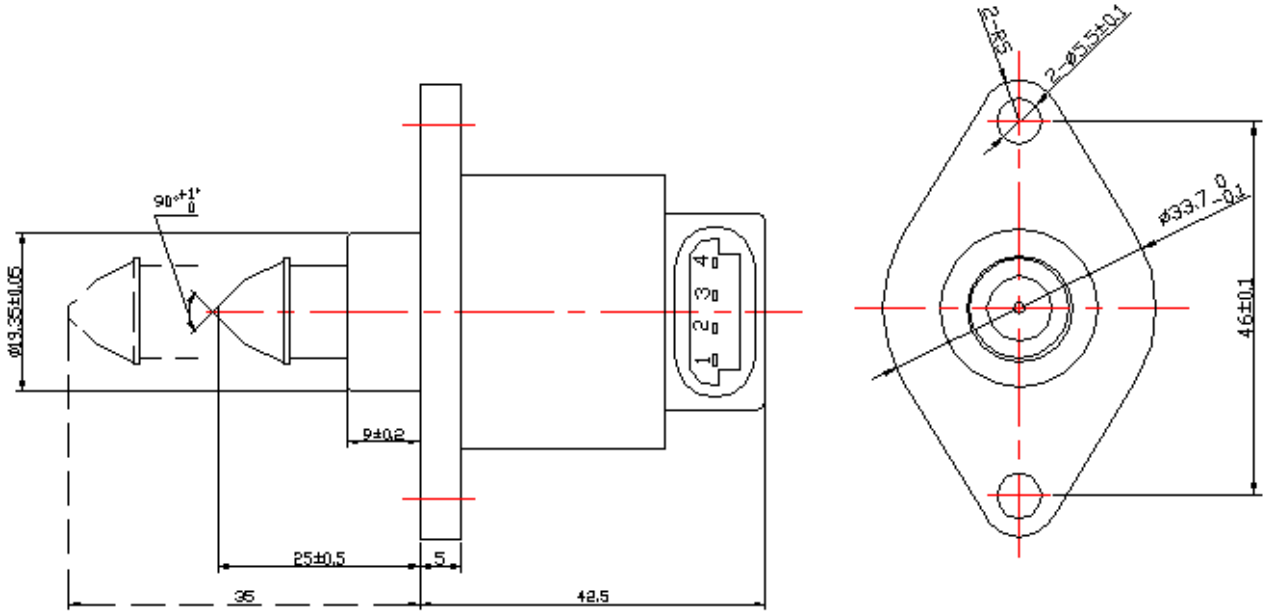

Main Technical Data: (other specifications can be met as OEM design)

Model	**35BY42Z01**	**Pull Force**	**25 N**
Voltage	**12 V**	**Total Length of Travel**	**12**
Number of Poles	**2**	**Ambient Temperature**	**-40℃~-125℃**
Resistance	**53 Ω**	**Lifetime**	**>1.5 million cycles**
Step Length	**0.0417**	**Insulation**	**IP34**
Push Force	**25 N**	**-**	**-**