I.CH MOTION CO., LTD
MOTION WORLD

I.CH PM STEPPER MOTOR + GEARBOX



Product Number Code For PM Stepper Motor + Gearbox

P 15 5 - XXX X

- P: PM STEPPER MOTOR
- 15: Dimension of Motor — 15-→ ¢15mm
- 5: 5 : PM Stepper motor + gearbox
- XXX: Torque — 050 → 0.50kg.cm = 500g.cm
- X: Leads no.

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PM STEPPER MOTOR + GEARBOX P155 (15MM)

Application

Mainly used in printer, scanner, stage light etc.

Picture



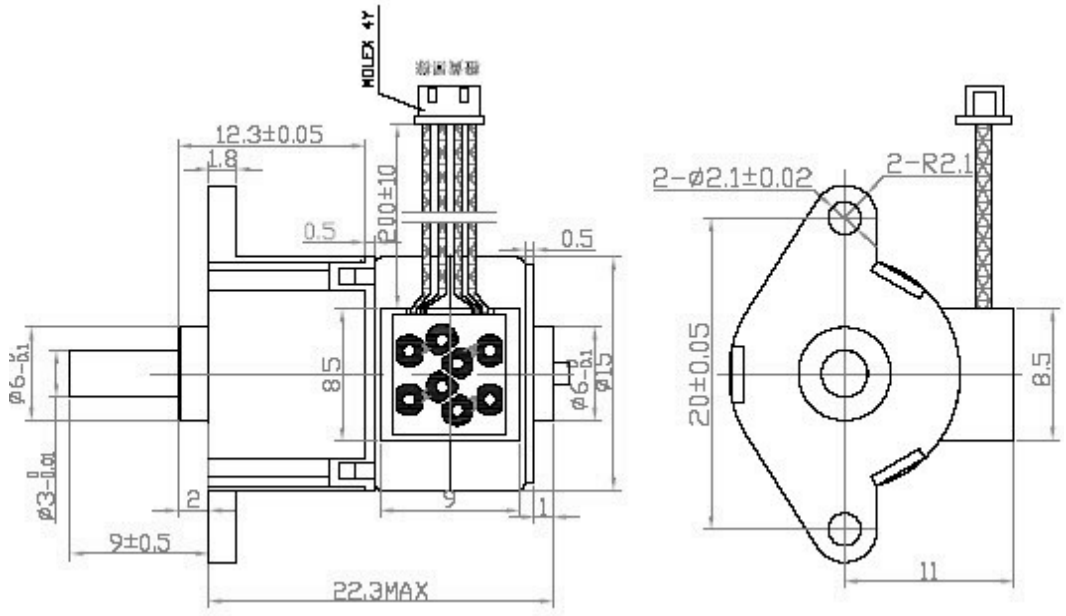
Complementary Products:

- Output Shaft
- Assembling Size
- Lead Wire or Terminal

Specification

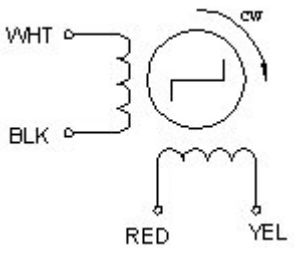
MODEL	No.of phase	Step Angle	Voltage	Speed Ratio	Resistance	Max.Starting Frequency	Pulling Torque (200P.P.S)	Holding Torque	Wiring	Weight
		°	V		Ω	P.P.S	g.cm	g.cm		g
P155-2004	2	18	5	1:102.5	10	1000	350	2000	UL1571 30#	12.2
P155-1354	2	18	5	1:50	10	1280	280	1350		

Mechanical Dimensions



Standard Leadwire Configuration

4 LEADS



Wire Color	Step			
	1	2	3	4
WHT	-			-
BLK		-	-	
RED	-	-		
YEL			-	-

PM STEPPER MOTOR + GEARBOX 25MM

Application

Mainly used in printer, scanner, stage light etc.

Picture



Complementary Products:

- Output Shaft
- Assembling Size
- Lead Wire or Terminal

Specification

MODEL	No. of phase	Step Angle °	Voltage V	Speed Ratio	Resistance Ω	Max. Starting Frequency P.P.S	Pulling Torque (200P.P.S) g.cm	Holding Torque g.cm	Wiring	Weight g
P255-10006	4	7.5	12	1:100	120	640	2000	10000	UL1061 28#	46
P255-5006	4	15	5	1:76	20	430	720	5000		41
P255-7506	4	7.5	12	1:75	145	690	1100	7500		46
P255-5004	2	7.5	12	1:60	100	650	2200	5000		50.6
P255-4006	4	7.5	13.3	1:30	120	680	750	4000		48
P255-1006	4	0.75	12	1:20	150	600	500	1000		
P255-1106	4	7.5	5	1:10	10	720	400	1100		44.5
P255-0014	2	1.5	2.6	1:5	5	450	75	5		

Mechanical Dimensions

Figure 1

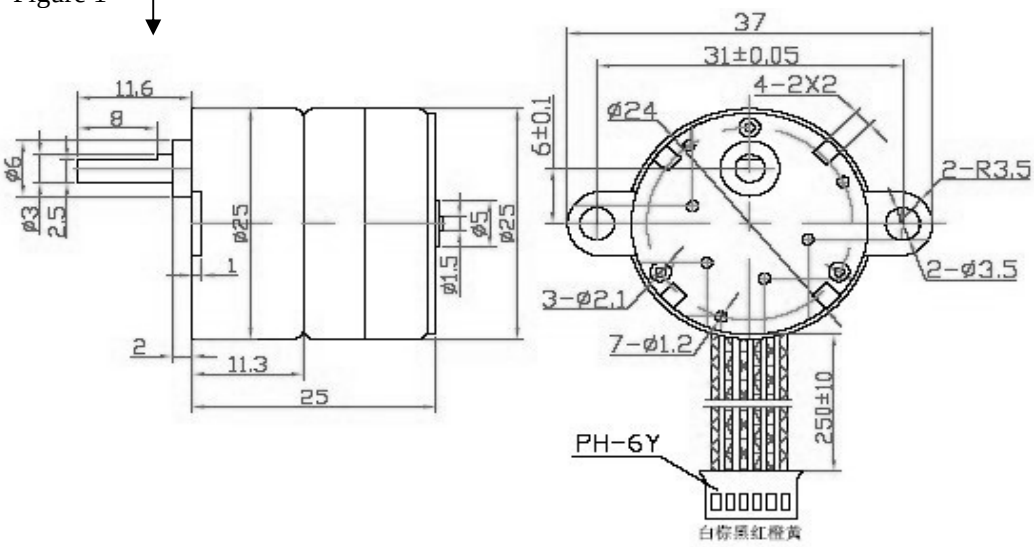
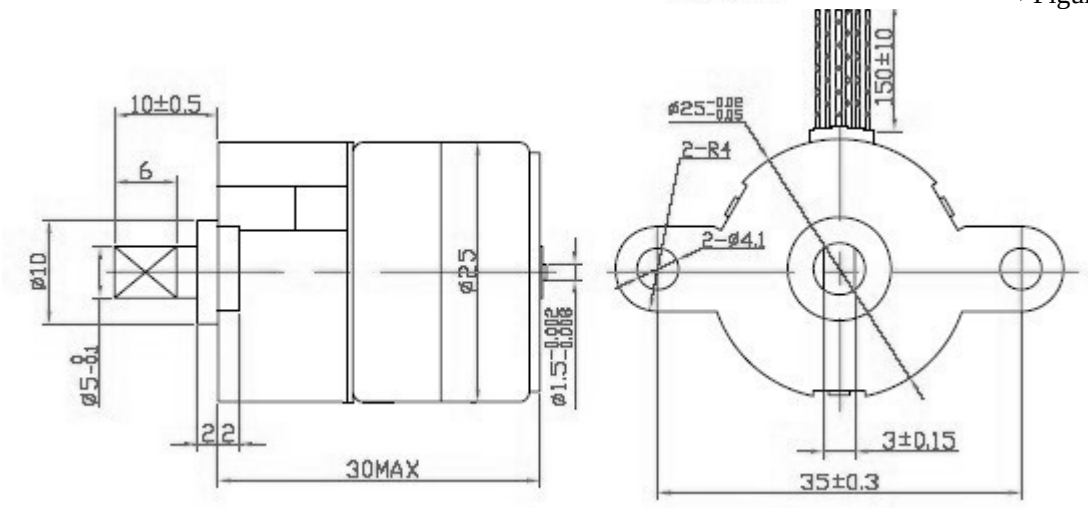
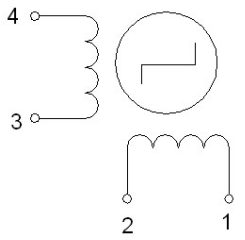


Figure 2



Standard Leadwire Configuration

4 LEADS

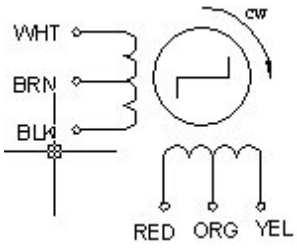


2-2 excitation

Pin No.	Wire Color	Step 1	2	3	4
4	ORG	+			+
2	YEL	+	+		
3	PINK		+	+	
1	ORC			+	+

CCW direction (from shaft end)

6 LEADS



Wire Color	Step 1	2	3	4
WHT	-	-		
BRN	+	+	+	+
BLK			-	-
RED		-	-	
ORG	+	+	+	+
YEL	-			-

PM STEPPER MOTOR + GEARBOX 35MM

Application

Mainly used in printer, scanner, stage light etc.

Complementary Products:

- Output Shaft
- Assembling Size
- Lead Wire or Terminal

Picture



Specification

MODEL	No. of phase	Step Angle	Voltage	Speed Ratio	Resistance	Max. Starting Frequency	Pulling Torque (200P.P.S)	Holding Torque	Wiring	Weight
		°	V		Ω	P.P.S	g.cm	g.cm		g
P355-0355	4	7.5	12	1:85.25	130	350	800	350	UL1007 26#	
P355-5005	4	7.5	12	1:16	52.5	470	1300	5000		
P355-4005	4	7.5	24	1:19	185	430	1300	4000		80
P355-10005	4	7.5	12	1:120	30	370	8000	10000		116.5
P355-10005	4	7.5	12	1:60	30	370	3000	10000		115
P355-12005	4	7.5	12	1:30	30	360	2500	12000		114
P355-10005	4	7.5	12	1:19	30	360	1900	10000		117
P355-10005	4	7.5	12	1:19	30	360	2500	10000		113
P355-2005	4	7.5	12	1:8.4	30	370	800	2000		114

Mechanical Dimensions

Figure 1

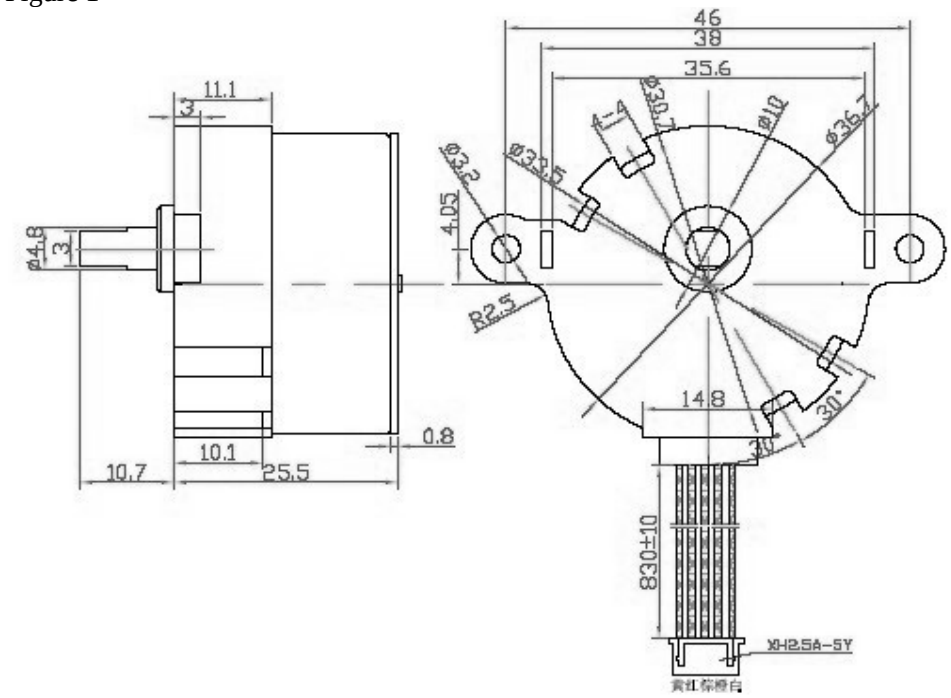


Figure 2

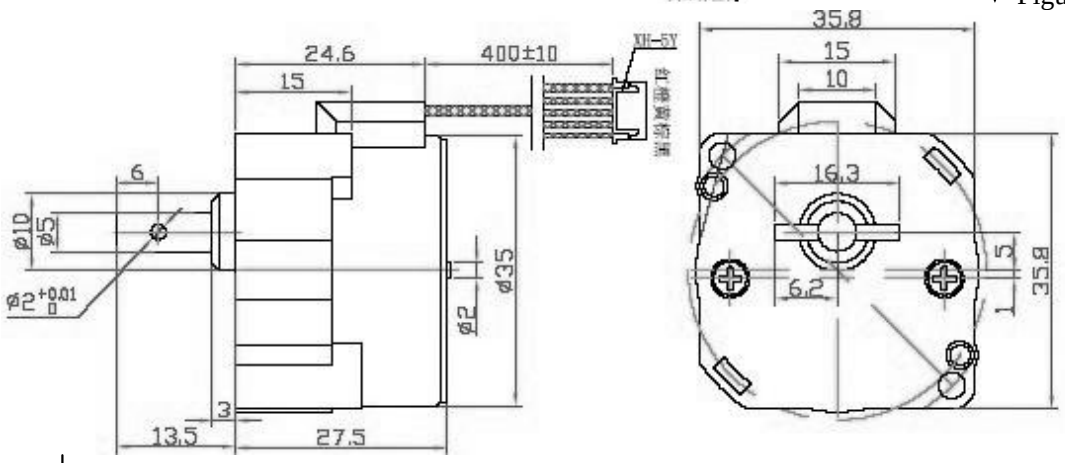
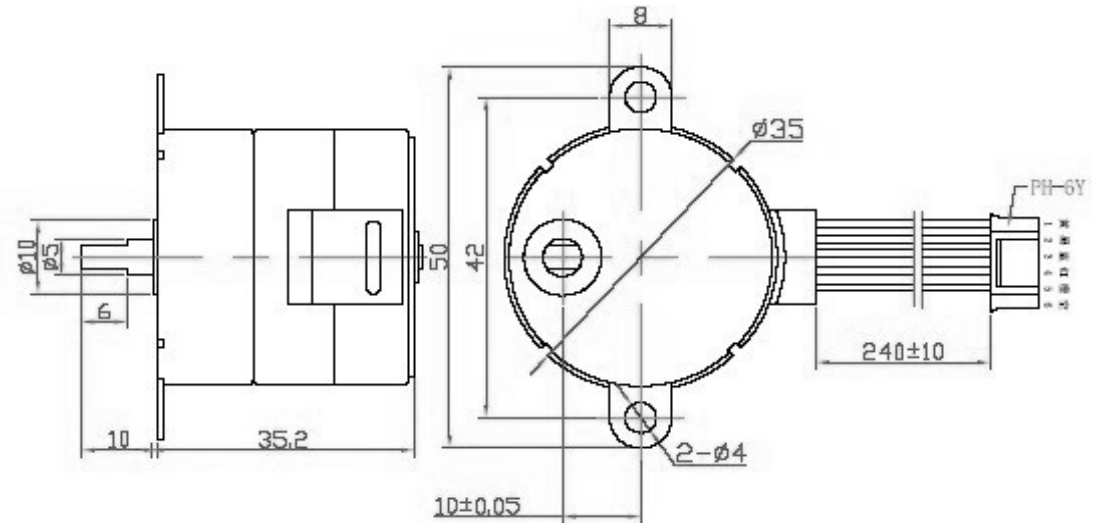
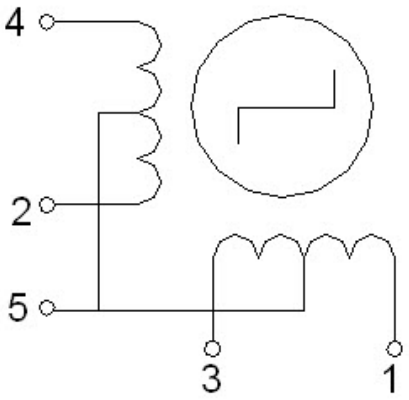


Figure 3



Standard Leadwire Configuration

5 LEADS



4-1-2 excitation

Pin No.	Wire Color	Step 1	2	3	4	5	6	7	8
5	RED	+	+	+	+	+	+	+	+
4	ORG	-	-						-
3	YEL		-	-	-				
2	PIN				-	-	-		
1	BLU						-	-	-

→ CCW direction (from shaft end)

PM STEPPER MOTOR + GEARBOX 42MM

Application

Mainly used in printer, scanner, stage light etc.

Complementary Products:

- Output Shaft
- Assembling Size
- Lead Wire or Terminal

Picture



Specification

MODEL	No. of phase	Step Angle °	Voltage V	Speed Ratio	Resistance Ω	Max. Starting Frequency P.P.S	Pulling Torque (200P.P.S) g.cm	Holding Torque g.cm	Wiring	Weight g
P425-5006	4	15	12	1:30	66	240	1700	5000	UL1061 28#	147.5
P425-10005	4	7.5	24	1:25	300	260	1000	10000	UL1007 26#	170
P425-10004	2	7.5	12	1:24	54	280	1200	10000		166

Mechanical Dimensions

Figure 1

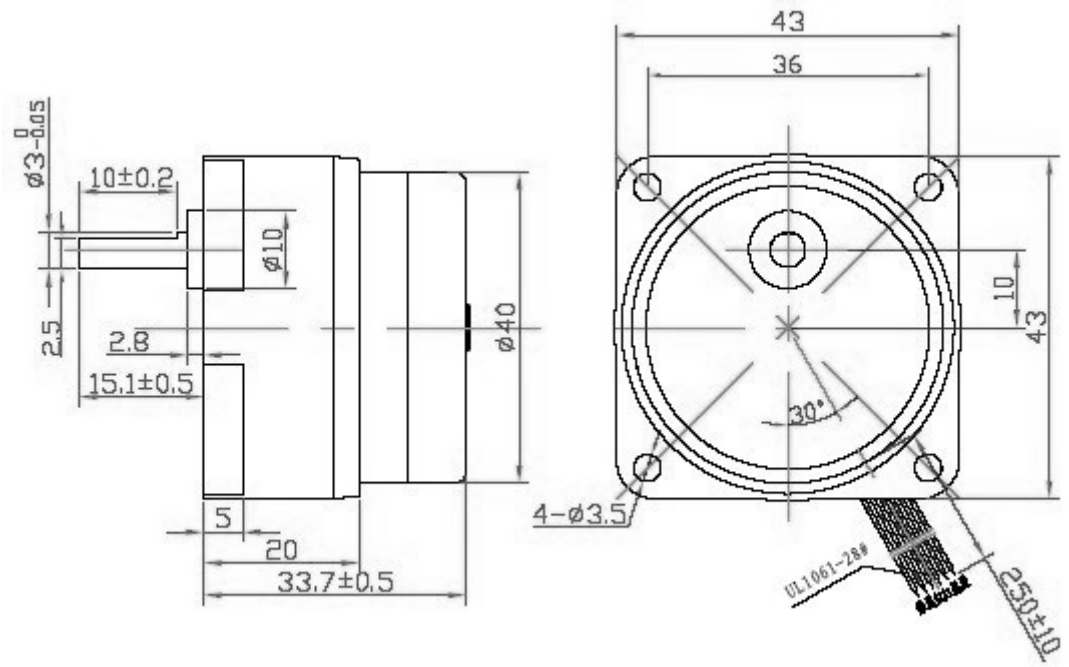
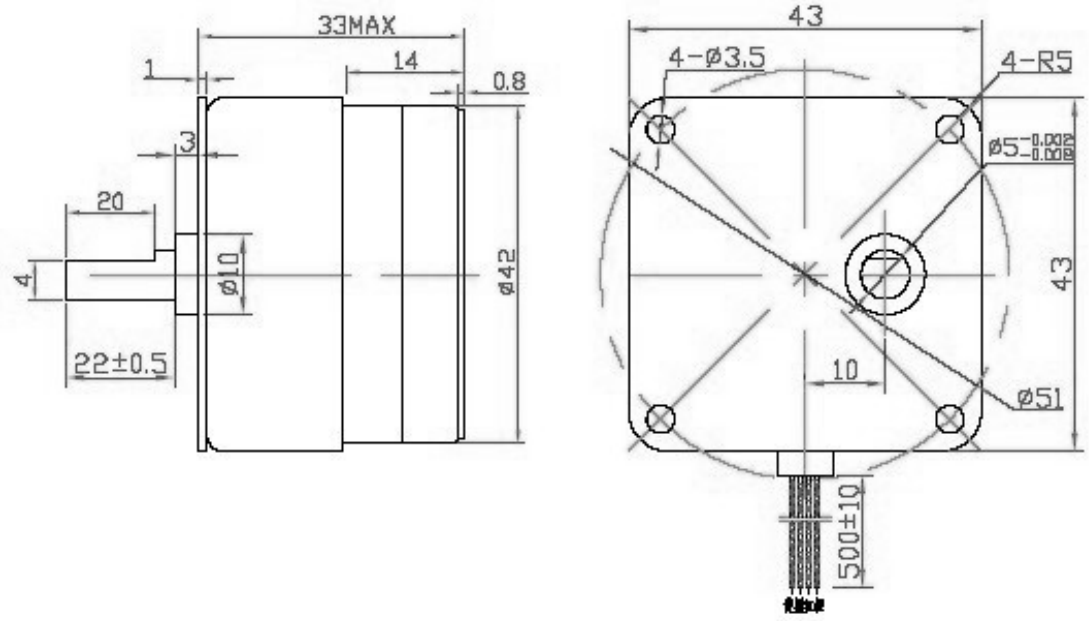
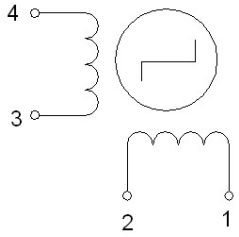


Figure 2



Standard Leadwire Configuration

4 LEADS

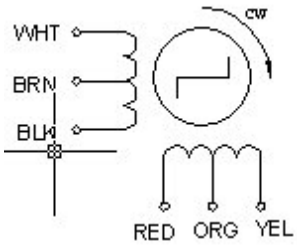


2-2 excitation

Pin No.	Wire Color	Step 1	2	3	4
4	ORG	+			+
2	YEL	+	+		
3	PINK		+	+	
1	ORC			+	+

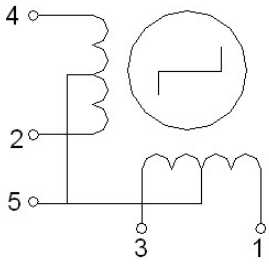
→ CCW direction (from shaft end)

6 LEADS



Wire Color	Step 1	2	3	4
WHT	-	-		
BRN	+	+	+	+
BLK			-	-
RED		-	-	
ORG	+	+	+	+
YEL	-			-

5 LEADS



4-1-2 excitation

Pin No.	Wire Color	Step 1	2	3	4	5	6	7	8
5	RED	+	+	+	+	+	+	+	+
4	ORG	-	-						-
3	YEL		-	-	-				
2	PIN				-	-	-		
1	BLU						-	-	-

→ CCW direction (from shaft end)