



KLS ELECTRONIC CO.,LTD



Weight: 12.8g (approx.)

Dia 15.5mm Flat DC Micro Motor

Model No.:KLS23-DBM5-FF-030PA/PK

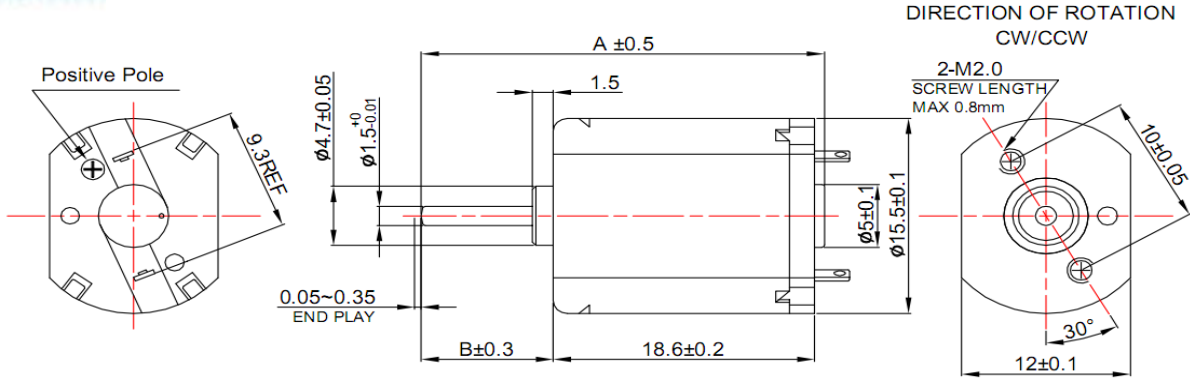
- 1 Typical Applications:**
- Blood Pressure Meter
 - CD/DVD-ROM Drive
 - Electric Lock
 - Game Controller

2 KEY FEATURES

- Plastic End Cap
- Stainless Steel Shaft
- Permanent Magnet
- Precious Metal Brush

3 DIMENSIONS(MM)

- Customization:**
- a.Length A, B
 - b.Technical Data
 - c.Varistor for option



4 TECHNICAL DATA

MODEL		VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY				STALL			
		OPERATING RANGE	NOMINAL V	SPEED r/min	CURRENT A	SPEED r/min	CURRENT A	TORQUE mNm	OUTPUT g.cm	TORQUE mNm	CURRENT g.cm	CURRENT A	
FF-030PA	11155	2.0-4.0	3	7200	0.045	5500	0.17	0.49	5	0.28	2.06	21	0.59
	1592	2.0-4.0	3.5	14300	0.09	12500	0.3	0.49	5	0.64	3.92	40	2
FF-030PK	05440	3.5-12.0	12	11000	0.02	7800	0.065	0.49	5	0.4	1.67	17	0.18

Remarks

1. All values approximate.
2. Customized electric performance on request by using suitable windings.
3. Available with required cables, eccentric wheel and accessories after evaluation.



Weight: 18g (approx.)

Dia 15.5mm Flat DC Micro Motor

Model No.:KLS23-DBM-FF/FK-050PH/TS

1 Typical Applications:

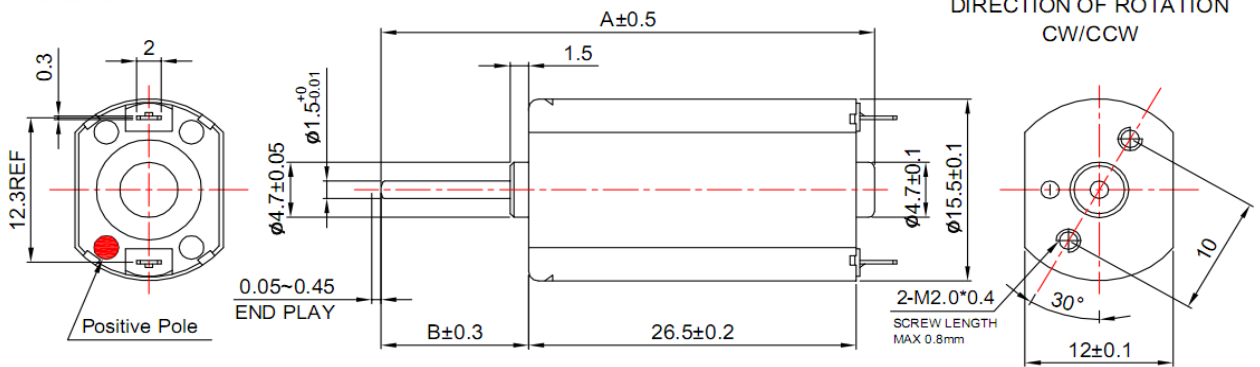
- Blood Pressure Pump
- Electric Lock
- Camera
- Toy

2 KEY FEATURES

- Metal End Cap
- Stainless Steel Shaft
- Permanent Magnet
- Precious Metal/Carbon Brush

3 DIMENSIONS(MM)

- Customization:**
- a.Length A, B
 - b.Technical Data
 - c.Varistor for option



4 TECHNICAL DATA

MODEL		VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY				STALL			
		OPERATING RANGE	NOMINAL V	SPEED r/min	CURRENT A	SPEED r/min	CURRENT A	TORQUE mNm	OUTPUT g.cm	TORQUE mNm	CURRENT g.cm	CURRENT A	
FF-050PH	12140	2.0-9.0	7	12500	0.06	9800	0.3	1.18	12	1.2	5.29	54	1.1
	11170	2.0-9.0	7	10500	0.04	9300	0.12	0.49	5	0.48	4.51	46	0.8
FK-050PH	05430	3.5-24.0	24	13800	0.03	9200	0.14	1.1	11.2	1.06	3.33	34	0.23
FK-050TS	2434	2.0-4.2	3.7	16800	0.37	16300	0.6	0.49	5	0.84	17.6	180	7.45

Remarks

- All values approximate.
- Customized electric performance on request by using suitable windings.
- Available with required cables, eccentric wheel and accessories after evaluation.