



Weight: 6.5g (approx.)

Dia 12mm DC Micro Motor

Model No.:KLS23-DBM4-RF-1215CA

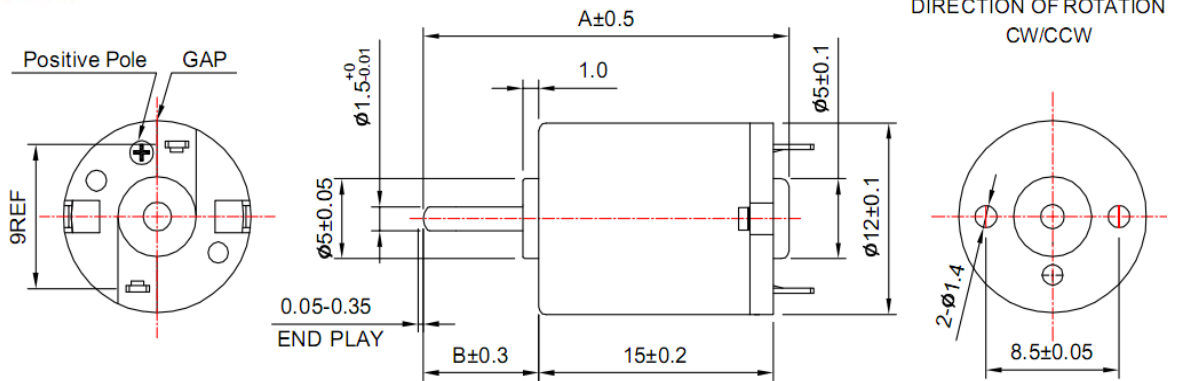
- 1 Typical Applications:**
- Door Lock Actuator
 - Tooth Brush
 - Camera
 - Toy

2 KEY FEATURES

- Plastic End Cap
- Rubber Magnet
- Stainless Steel Shaft
- 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	g.cm	OUTPUT W	TORQUE mNm	g.cm	CURRENT A
		RF-1215CA	10150	1.0-3.0	2.5	19500	0.13	12300	0.32	0.2	2	0.25	0.56

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: 8.7g (approx.)

Dia 12mm Round DC Micro Motor Model No.:KLS23-DBM4-RF-1220CA

1 Typical Applications:

Door Lock Actuator
Tooth Brush
Masager
Toy

Weight: 8.7g (approx.)

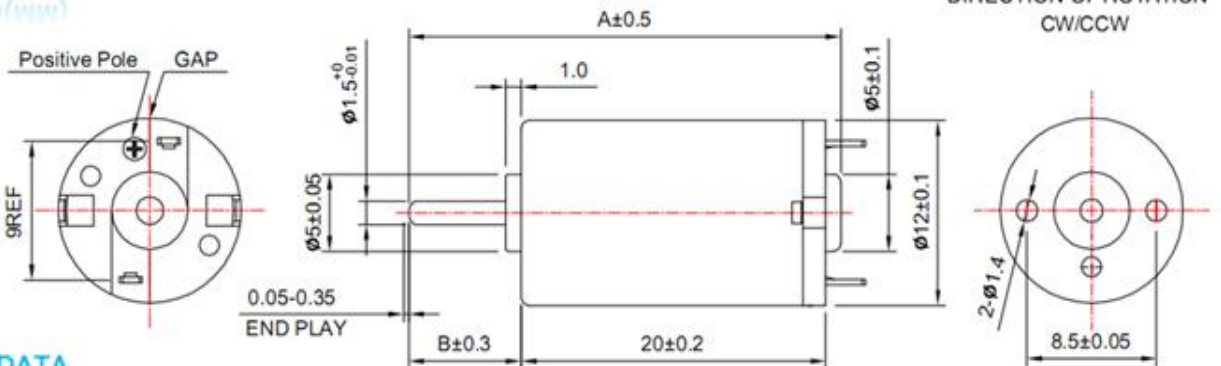
2 KEY FEATURES

- Plastic End Cap
- Stainless Steel Shaft
- Rubber 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	TORQUE g.cm	OUTPUT W	TORQUE mNm	TORQUE g.cm	CURRENT A
RF-1220CA	08230	2.0-5.0	5	14000	0.04	9800	0.15	0.31	3.1	0.31	1.0784	11	0.35
	1395	1.0-3.0	2.4	15500	0.14	10000	0.46	0.39	4	0.41	1.18	12	1.1

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: 13g (approx.)

Dia 12mm Round Tooth Brush Motor

Model No.:KLS23-DBM4-RF-1230CA

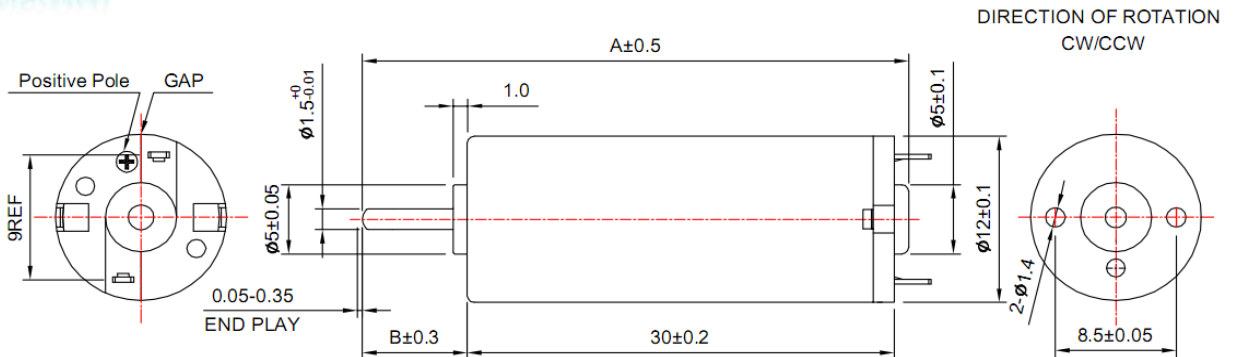
- 1 Typical Applications:**
- Door Lock Actuator
 - Tooth Brush
 - Masager
 - Toy

2 KEY FEATURES

- Plastic End Cap
- Stainless Steel Shaft
- Rubber 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 W	TORQUE mNm	CURRENT A		
RK-1230CA	1855	1.0-3.5	3	15800	0.17	13200	0.45	0.5	5	0.68	2.94	30	2.3
RF-1230CA	1950	1.0-2.0	1.5	9500	0.11	7200	0.39	0.4	4	0.3	1.67	17	1.3

Remarks

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