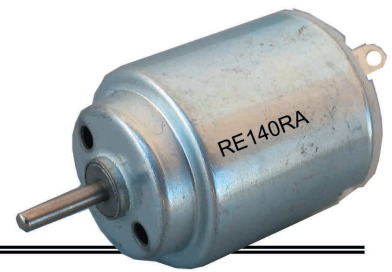


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RE140RA DC 1.5 V Motor (High Speed Motor)

SPECIFICATION

Model No.: RE140RA (DC Motor)

1.MEASURING CONDITIONS

- 1.1.Rated voltage: 1.2 V DC
- 1.2.Motor Position: To be measured with motor horizontally held.
- 1.3.Environmental temperature: $25 \pm 10^{\circ}\text{C}$.
- 1.4.Environmental humidity: $65\% \pm 20\% \text{RH}$.

2.ELECTRICAL CHARACTERISTICS (At initial stage after 30 seconds run-in):

- 2.1.At No load
 - 2.1.1.Speed: $6000 \pm 12\% \text{rpm}$
 - 2.1.2.Current: 220 A max
- 2.2.At Max Efficiency
 - 2.2.1.Torque: 6.6 g.cm
 - 2.2.2.Speed: $4481 \pm 12\% \text{rpm}$
 - 2.2.3.Current: 0.5 A(max 0.8A)
- 2.3.At Stall
 - 2.3.1.Torque: 26 g.cm
 - 2.3.2.Current: 1.48 A(max 2.2A)
- 2.4.Direction of Rotation: CW (Clockwise when viewing from the output shaft end with positive voltage applied to positive terminal).

3.MECHANICAL CHARACTERISTICS

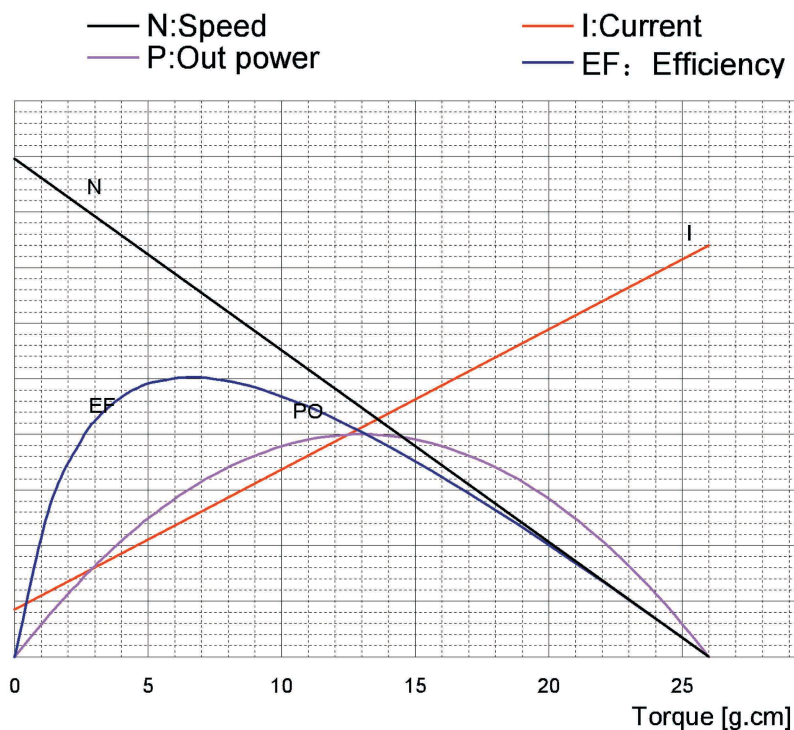
- 3.1.Dimension drawing: See<OUTLINE>.
- 3.2.End Play: 0.05~0.5mm.
- 3.3.Operating Temperture: $0^{\circ}\text{C} \sim +45^{\circ}\text{C}$

PERFORMANCE CURVE

Constant voltage:1.2V

Rotation: CW

P_0	EF	I	N
1	100	2000	6700
0.5	50	1000	3350
[W]	[%]	[mA]	r/min



Note: The above performance and characteristics are measured based on limited motor samples only.