

BUC1(2810)-Drone Motor

Specifications



Technical Parameters

Max Thrust	2 Kgf
Recommended Battery	6S
Recommended Take off Weight	1-1.2 Kg
Total Weight	80 g
Lead Wire Length	100 mm

ESC

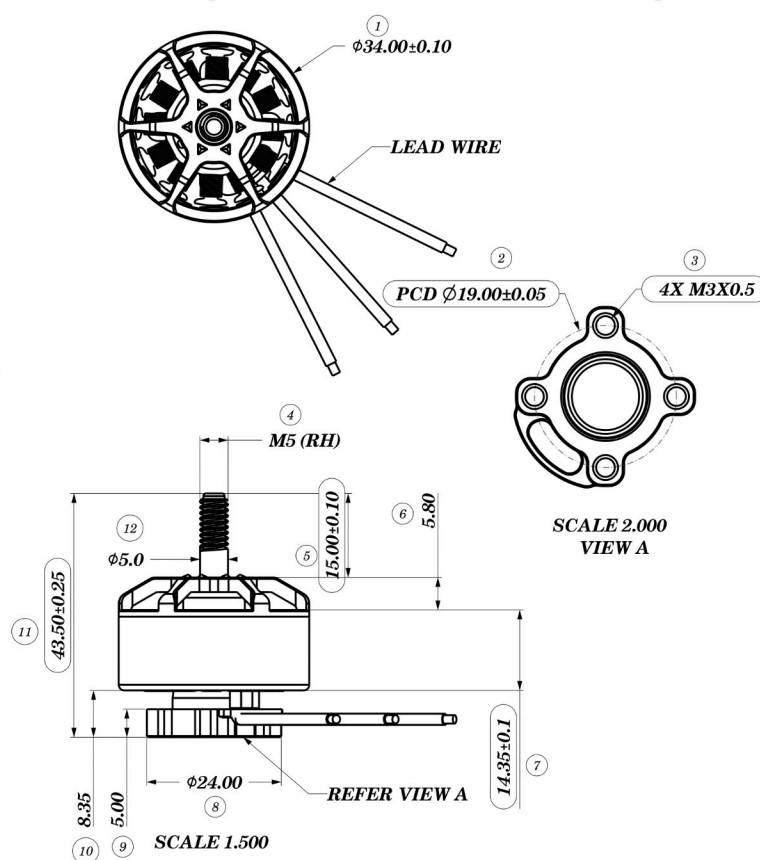
Reflex Drive D Series
(40A 2S - 6S)

Propeller

Diameter X Thread Pitch	8040
Total Weight	9 g

Motor

Stator Size	Ø28 X 10 mm
KV Rating	1250 KV
Motor Size	Ø34 X 43.5 mm
Max Power	1237 W
Peak Current	61.65 A



Load Performance Parameters

Performance Test											
Model	ESC	Propeller	Power Source	Voltage (V)	Throttle % (800-2000)	Servo	Power (W) O/L	Current (A) O/L	RPM O/L	Thrust (g)	Efficiency (g/w)
BUC1 1250KV (2810)	Reflex Drive D series (40A 2S-6S)	8040	DC Supply (24V-DC)	24	10	1445	48	2.0	6162	250	5.2
					20	1542	96	4.0	7814	400	4.2
					30	1622	144	6.0	8849	563	3.9
					40	1695	192	8.0	9735	684	3.6
					50	1758	240	10.0	10533	805	3.4
					60	1821	288	12.0	11171	903	3.1
					70	1875	336	14.0	11755	968	2.9
					80	1967	384	16.0	12160	1068	2.8

The bench test data provided above is for reference purposes only, conducted at ambient room temperature. Actual results may vary depending on environmental and field conditions.

