

BMF1(8015)-Drone Motor

Specifications



Technical Parameters

Max Thrust	14 Kgf
Recommended Battery	12S
Recommended Take off Weight	10 Kg
Total Weight	488 g
Lead Wire Length	100 mm

ESC

Reflex Drive Q Series
(80A 12S)

Propeller

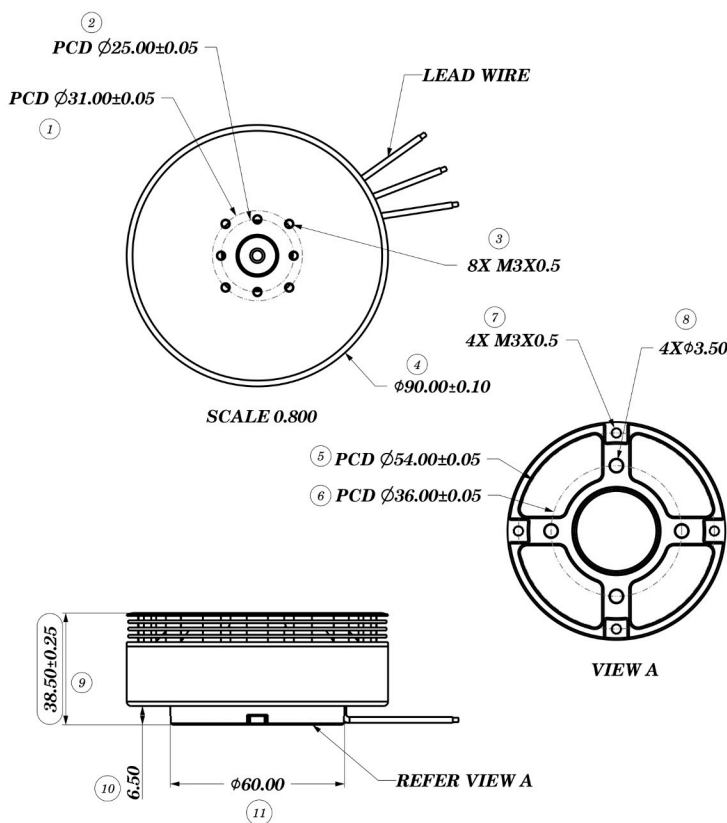
Diameter X Thread Pitch 3011

Total Weight 190 g

Motor

Stator Size	Ø80 X 15 mm
KV Rating	115 KV
Motor Size	Ø90 X 38.5 mm
Max Power	4000 W
Peak Current	80 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)	
BMF1 115KV (8015)	Reflex Drive Q series (80A 12S)	3011	DC Supply (48V-DC)	48	45	1342	240	5.0	1861	3054	12.7	
					51	1415	480	10.0	2312	4751	9.9	
					56	1475	720	15.0	2639	6303	8.8	
					61	1527	960	20.0	2905	7623	7.9	
					64	1567	1200	25.0	3080	8744	7.3	
					68	1612	1440	30.0	3260	9740	6.8	
					70	1645	1680	35.0	3372	10586	6.3	
					49	1385	1920	40.0	3505	11470	6.0	
					77	1720	2064	43.0	3594	12063	5.8	
					79	1752	2400	50.0	3683	12681	5.3	

The above bench test data are for reference only and tested at ambient room temperature at MSL. Actual data might vary based on environmental and field conditions.

