Appea	arance requir		M8112 Specifications Standard	
NO.		Project	Requirement	Remarks
1 Motor diameter		or diameter (mm)	Ф89.5±0.05mm	/
2	Motor length (mm)		33.4±0.2(with encoder) mm	/
3	Motor slot/pole number		36N/42P	/
4	Axial outer diameter (mm)		Ф 25-0. 008/-0. 012 mm	/
5	Inner diameter of shaft (mm)		Ф 22+0. 05/+0. 1 mm	/
6	wire length (mm)		610mm±3 mm Without Plug	/
7	The color of the line		24#black silicone wire	/
8	weight (g)		446±1g	/
9	plug		2.5 pitch connector	/
10	Axial clearance (virtual position)		0	/
Perfor	mance Requi	rement		
NO.	Project		Requirement	Remarks
1	No-load	voltage (V)	22V	KV box
		current (A)	0.3±0.1 A	/
		speed (RPM)	380~420 RPM	/
2	Load	voltage (V)	20	/
		current (A)	2	/
		torsion $(G \bullet cm)$	6000-9000	/
3	Number of windings (T)		0.4*1-33T Y connection method	
4	Wired internal resistance of finished product (m Ω)		4.2Ω±5%(The resistance will change with the ambient temperature. If the resistance exceeds the standard range due to environmental changes, the standard should be signed again)	/
5	high voltage test		DC500V 1mA 2 Seconds	/
6	The rotor housing jumps		≤0.1mm	/
7	Translation (shaft extension view)		Clockwise (unified test wiring)	/
8	High temperature test		60°C Keep 100 hours, and the motor can work normally after 24 hours at room temperature	/
9	Cold test		-20°C Keep for 100 hours, and the motor can work normally after 24 hours at room temperature	/
10	mayimum nower		≥4 nours at room temperature ≤80W	
11	maximum power Use voltage range		3-5S (calculated according to lithium battery 3.7-4.2V/S)	Constant pow
12	Use	voltage range	5-55 (carculated according to fullum battery 5.7-4.2 v/5)	Normal
14	service environment		Temperature: -20~60°C, humidity: 10~90%RH	temperature as