Appea	arance requir		5208-12 Specifications Standard	
NO.		Project	Requirement	Remarks
1	Motor diameter (mm)		Ф63±0.05mm	/
2	Motor length (mm)		30.7±0.2(with encoder) mm	/
3	Motor slot/pole number		12N/14P	/
4	Axial outer diameter (mm)		Ф15-0.008/-0.012 mm	/
5	Inner diameter of shaft (mm)		Φ12.6+0.05/0 mm	/
6	wire length (mm)		610mm±3 mm Without Plug	/
7	The color of the line		24#black silicone wire	/
8	weight (g)		209±0.5g	/
9	plug		2.5 pitch connector	/
10	Axial clearance (virtual position)		0	/
Perfor	mance Requi	rement		
NO.		Project	Requirement	Remarks
	No-load	voltage (V)	20V	KV box
1		current (A)	0.09±0.1 A	/
		speed (RPM)	456 <sup>~</sup> 504 RPM	/
2	Load	voltage (V)	20	/
		current (A)	1	/
		torsion $(G \bullet cm)$	1800-2500	/
3	Number of windings (T)		Low-temperature 0.27*1-185T Y connection method	
4	Wired internal resistance of finished product (m $\Omega$ )		15.2Ω±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		or 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	maximum power		≤40W	
11	Use voltage range		3-5S (calculated according to lithium battery 3.7-4.2V/S)	Constant pow
12		ce environment	Temperature: -20~60°C, humidity: 10~90%RH	Normal temperature as humidity