

HB2206 Hollow Brushless Servo Motor

Outrunner brushless motor, with driver and serial ports
 Cables run-through the hollow hole
 Application: Desktop Robots

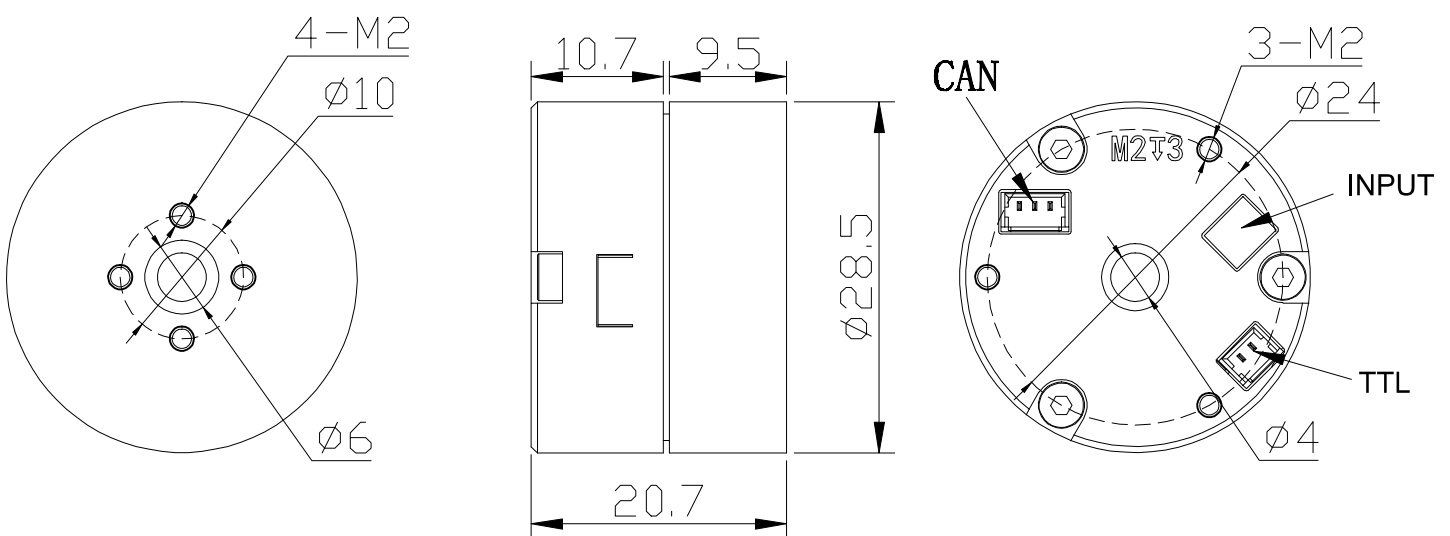


(mounting side)



(back side)

Dimension



Specification

Basic Parameter	Unit	Type:HB2206
Motor type		Brushless Servo Motor
Voltage range	V	12~24
Peak torque	N.m	0.05
Rated torque	N.m	0.02
Peak current	A	2
Continuous current	A	<0.4
Instantaneous power	W	48
Rated power	W	9.6
Outer diameter	mm	28.5
Minimum inner diameter	mm	4
Height	mm	20.7
Weight	g	33.8
Motor Parameter		
Number of pole pairs		7
Wire resistance	ohm	1.7
Wire inductance	uH	236
Torque constant	N.M/A	0.023
Speed constant	v/krpm	2.4
Control Accuracy Parameter		
Maximum speed	rpm	7000
Minimum speed	rpm	0.5
Encoder type		Single turn absolute value
Encoder resolution	bit	12
Repeated positioning accuracy	°	+0.1
Absolute accuracy	°	+0.1
Rated of speed change	%	<±0.1
Speed resolution	Hz	0.2
Dynamic Parameter		
Rotor Inertia	Kgcm ²	2.081
Bearing type		MR117
Bearing accuracy		P5
Bearing dynamic load Cr	kN	0.451
Bearing static load C0r	kN	0.206
Working temperature range	°C	5~50
Noise	dB	<50
Interface Parameter		
Number of interface		3
Control interface		CAN
Configuration interface		TTL
Support Mode(changes with fireware upgrade)		
Position mode		Position speed current three closed loop mode
Speed mode		Speed closed loop mode
Current(torque)mode		Torque closed loop mode
Low speed mode		Use this mode for RPM below 10rpm
Knob mode		Use to build smart knob