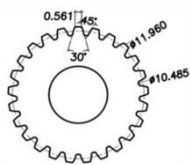
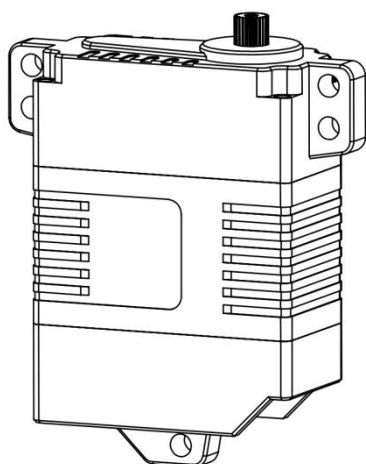
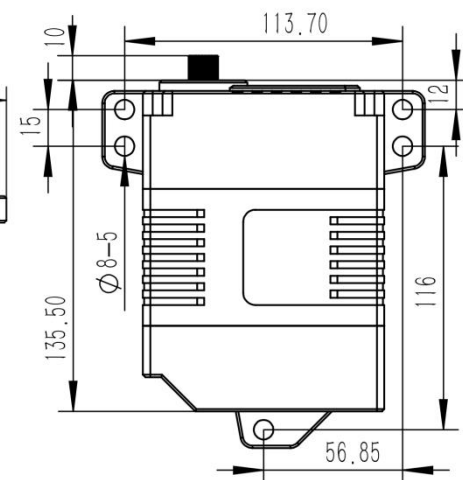
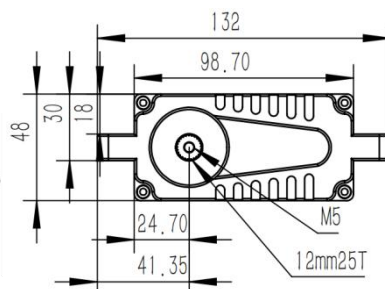


Technical Specification



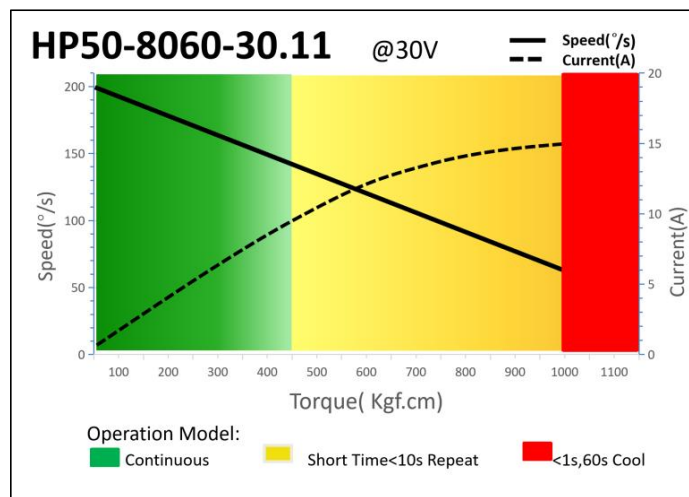
25T-12mm
Output Shaft Spline



1. Operating Data

Rated Voltage	DC30V
Voltage Range	DC20V-32V
No-load current	50mA
Stalling Torque	1000Kgf.cm
No load speed	200°/sec
Rated Speed	140°/sec
Stalling Current	16.0A
Rated Torque	450Kgf.cm
Rated Current	8.5A
Working Frequency	1520us/333Hz
Pulse Width	500us-2500us
Temperature Range	-30°C.....+75°C
Default Travel Angle	±100°=200° Total angle
Dead Band	2us
Gear Backlash	≤0.5°
Command Signal	PWM/CANOPEN 2.0B
Dimensions	98.7*48*135.5mm(±0.5mm)
Weight	1350g±10%
Case Material	Aluminum Alloy
Motor Type	Brushless DC Motor
Gear Set Material	Hardened Steel
Position Sensor:	Contactless
Ball Bearing:	6BB
Shielded Connecting Cable	J30J-11P04JS

2. Performance



3. Command Signal

3.1 PWM Command Interface

Signal Voltage	HIGH: min.3.3V, max.5.0V Low: min.0.0V, max.1.5V
Pulse Width	500us-2500us
Pulse Width for Position	1000us/1500us/2000us -50°/ 0°/+50°

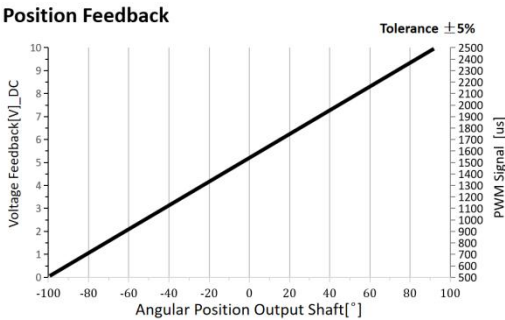
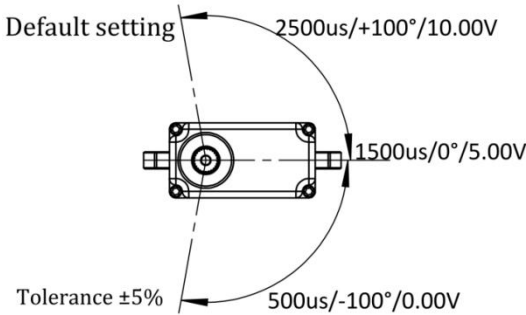
3.2 CAN Bus Command Interface

Baud-Rate	500Kbps
Node number	0 x25 (range 1 ~ 127, 0 is radio)
Communication	CAN Open

3.3 Position Feedback Signal

3.3.1 PWM Feedback

The Position Feedback signal (Pos FB) is an analog output signal with a voltage value which is directly related to the output shaft's angular position. Reference is **FB -**.



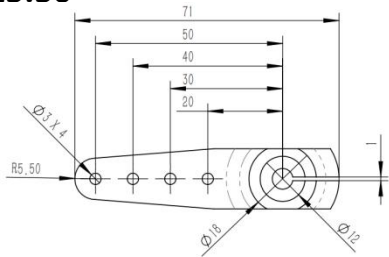
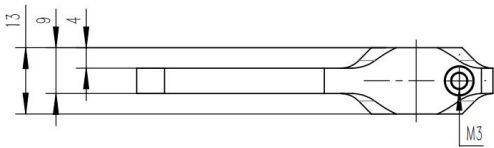
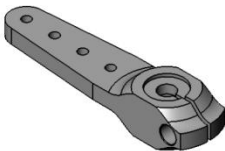
3.3.2 CANBUS Feedback

Integrated in the Bus protocol a Feedback Value, including the Angle position, Temperature, current value. Value read by sending request command. Provide the details of the bus in the document.

4. Electrical Connection - J30J-11P04KP

Pin		Description	Pin		Description
A	B	DC+ Supply Voltage	C	D	DC- Supply Ground
1		PWM Command Signal	2		PWM Signal GND
3		FB + Feedback Signal	4		FB - Feedback Signal Ground
5		CAN-H	6		CAN-L
7		NC			

5. Accessories: Aluminum Servo Horn , Item No. : 1225.50



6. Item Number System

