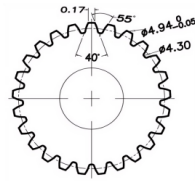
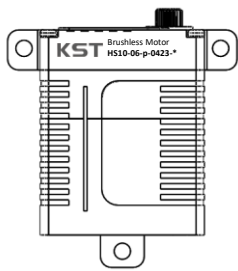
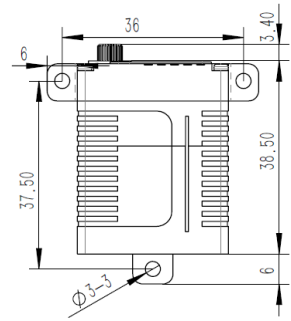
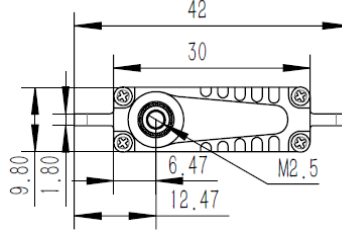


HS10-06-P-0423-1 Technical Specification



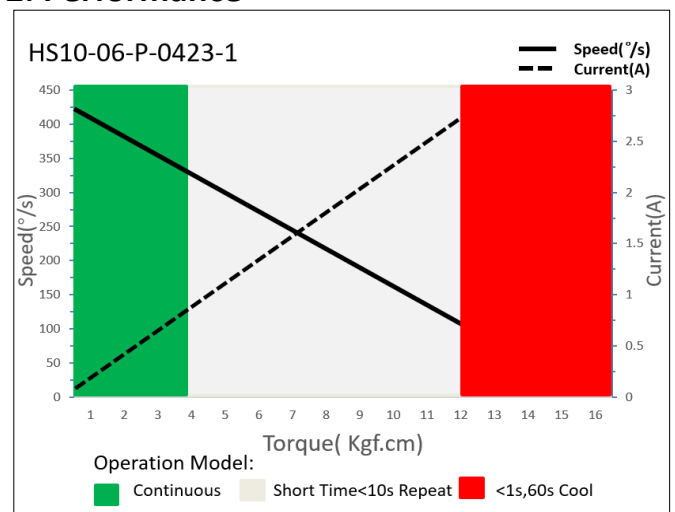
25T 5mm Output Shaft Spline



1. Servo Data

Rated Voltage	DC6.0V
Voltage Range	DC4.8V-8.4V
Stalling Torque	12.0Kgf.cm@6.0V
Rated Torque	4.0Kgf.cm@6.0V
Stalling Current	2.85A
Rated Current	0.65A
No-load Speed	420°/S@25°C
Rated Speed	320°/S@25°C
Default Travel Angle	±50°= 100° total travel
Temperature Range	-30.....+65°C
Case Material	Aluminum Alloy 7075
Motor Type	Brushless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Ball Bearing	2BB
Case Dimensions	30mm*9.8mm*38.5mm(±0.2mm)
Weight	28g(±10%)

2. Performance



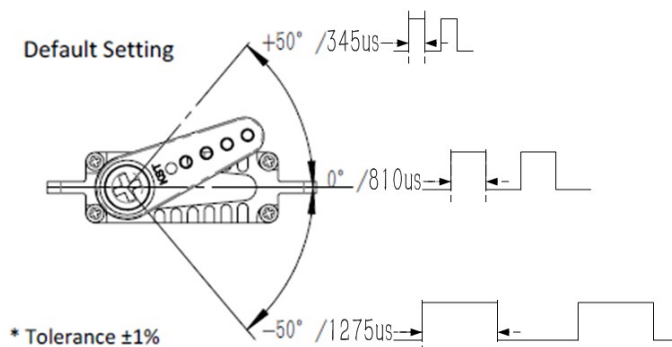
3. Command Signal

3.1. PWM Command Interface

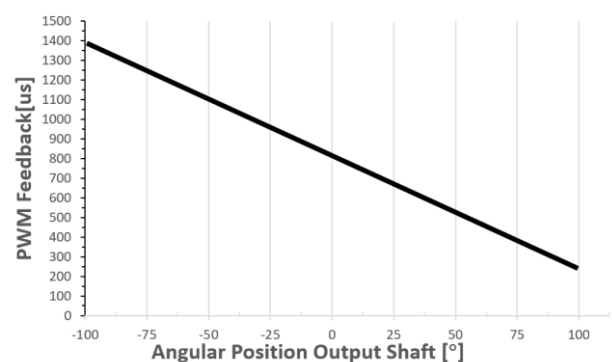
Signal Voltage	HIGH:min.3.3V,max.5.0V Low:min.0.0V,max.1.5V
Pulse Lengths	1000us-2000us
Pulse Lengths for Position	1000us/1500us/2000us -50°/0°/+50°

3.2. Position Feedback Signal (PWM Feedback Signal: Options)

The Position Feedback signal is an output signal with a square wave which is directly related to the output shaft's angular position. Reference is Supply Ground.

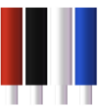


Position Feedback



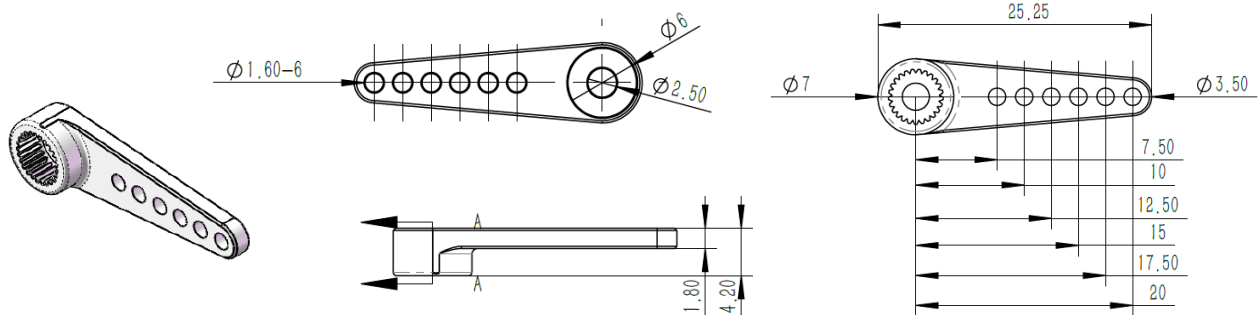
Content is subject to change without notice.

4. Electrical Connection (Silver plated, open leads)

	1	Red	DC +	Supply Voltage
	2	Black	DC-	Supply Ground Signal Ground
	3	White	SIG	Command Signal
	4	Blue	FB	PWM signal Feedback(Options)

5. Accessories Spec

Item No.: 0525.20



6. Item Number System

HS	10	-	06	-	P	-	0423	-	1
Servo Class					Sensor		Servo Type		Command
9.8mm Class					P: Potentiometer		0423		1: PWM
Supply Voltage									
06: DC6.0 V									
12: DC12V									