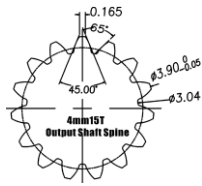
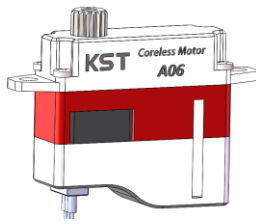
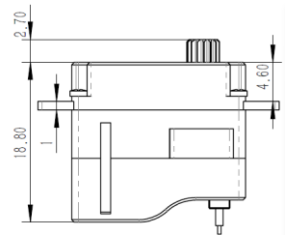
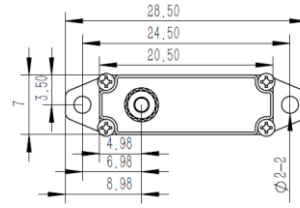


A06 Technical Specification

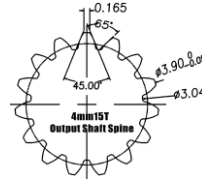
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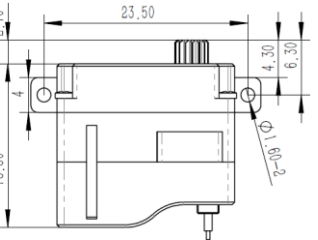
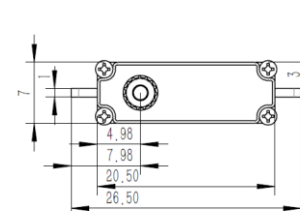
4mm 15T Output Shaft Spline



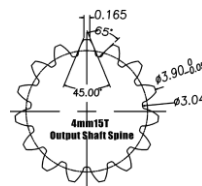
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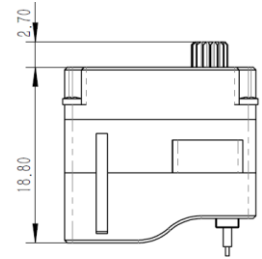
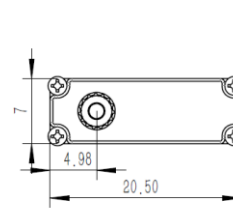
4mm 15T Output Shaft Spline



A06N



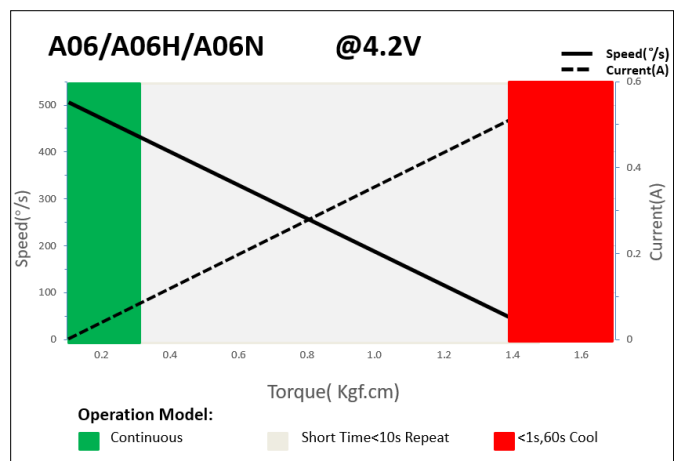
4mm 15T Output Shaft Spline



1. Operating Data

A06 /A06H /A06N	
Rated Voltage	DC4.2V
Voltage Range	DC3.5V-4.2V
Torque	1.1Kgf.cm@3.5V
	1.4Kgf.cm@4.2V
Speed	0.14sec/60°@3.5V
	0.11sec/60°@4.2V
Working Frequency	1520us/333Hz
Default Travel Angle	±60° = 120° Total
Temperature Range	-10°C.....+65°C
Case Material	Aluminum Alloy
Motor Type	Coreless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Ball Bearing	2BB
Case Dimensions	20.5*7*18.8mm±0.2mm
Weight	7g±10%

2. Performance



3. Command signal PWM Command Interface

Signal Voltage	HIGH: min.3.3V, max.5.0V Low: min.0.0V, max.1.5V
Pulse Lengths	900us-2100us
Pulse Lengths for Position	1000us/1500us/2000us -60° 0°/+60°

4. Electrical Connection

	Pin Assignment			
	1	Orange	Signal	PWM Command
	2	Red	DC+	Supply Voltage
	3	Brown	DC-	Supply Ground