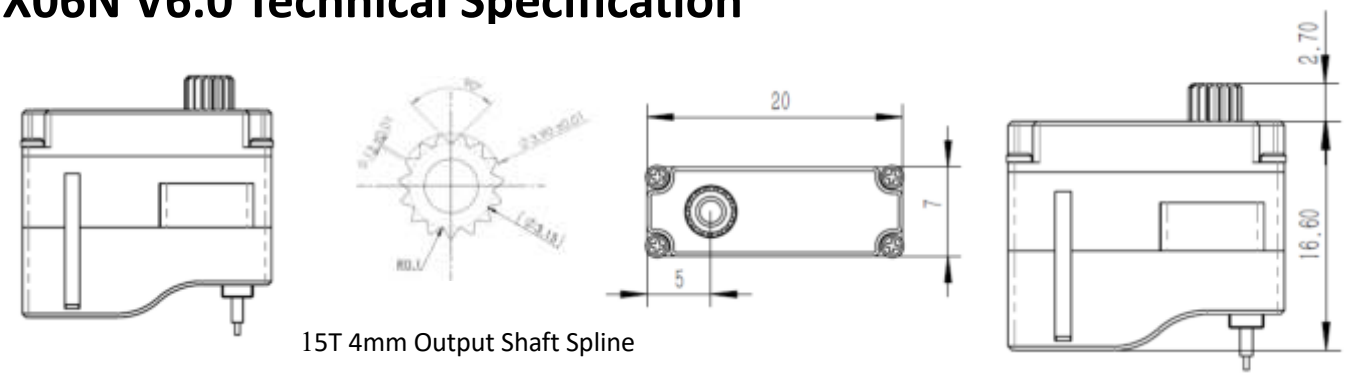
X06N V6.0 Technical Specification

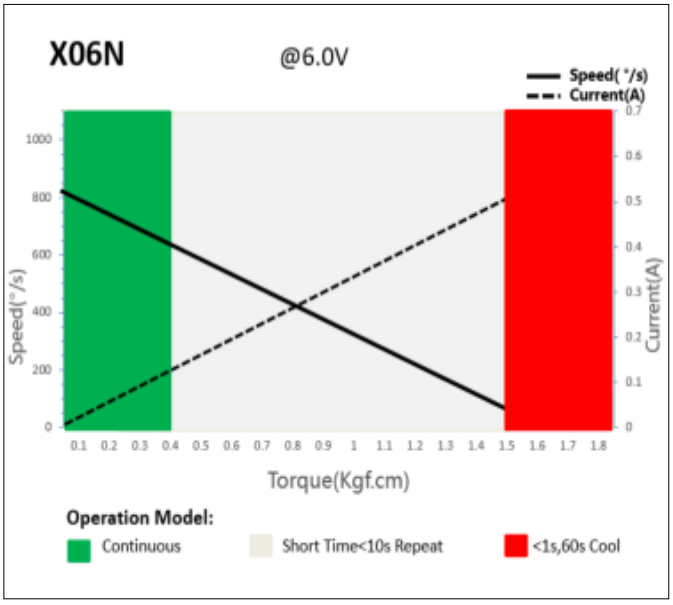


15T 4mm Output Shaft Spline

1. Operating Data

	X06N V6.0
Rated Voltage	DC6.0V
Voltage Range	DC3.8V-8.4V
Stalling Torque	0.80Kgf.cm@3.8V
	1.50Kgf.cm@6.0V
	1.80Kgf.cm@8.4V
No-load Speed	0.12sec/60°@3.8V
	0.08sec/60°@6.0V
	0.07sec/60°@8.4V
Stalling Current	0.58A@6.0V
Rated Torque	4N.cm@6.0V
Rated Current	0.22A@6.0V
Rated Speed	0.20sec/60°@6.0V
Working Frequency	1520us/20KHz
Default Travel Angle	±60° = 120° Total
Temperature Range	-10℃.....+65℃
Soft Start	Yes
Programable	Yes
Case Material	Aluminum Alloy
Motor Type	Coreless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Case Dimensions	20mm*7mm*16.6mm±0.2mm
Weight	6g±10%

2. Performance

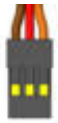


3. Command signal

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 -60°/ 0°/+60°	1000us/1500us/2000us

4. Electrical Connection



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

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