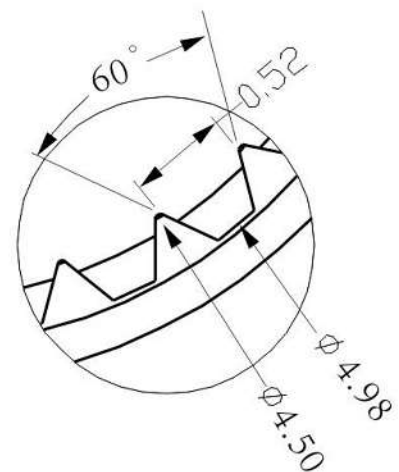
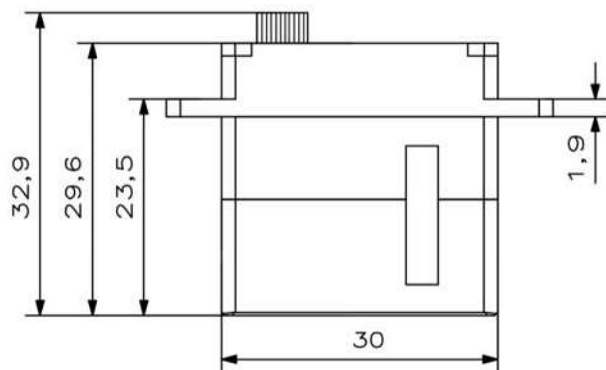
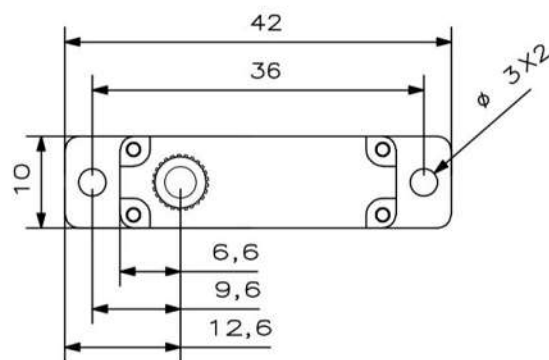
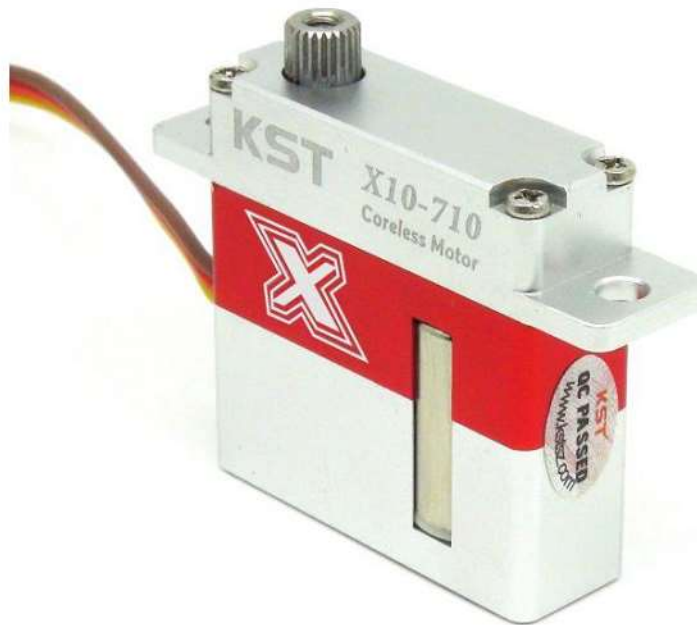


X10-710 V8.0 servo with Soft Start

Technical Specification



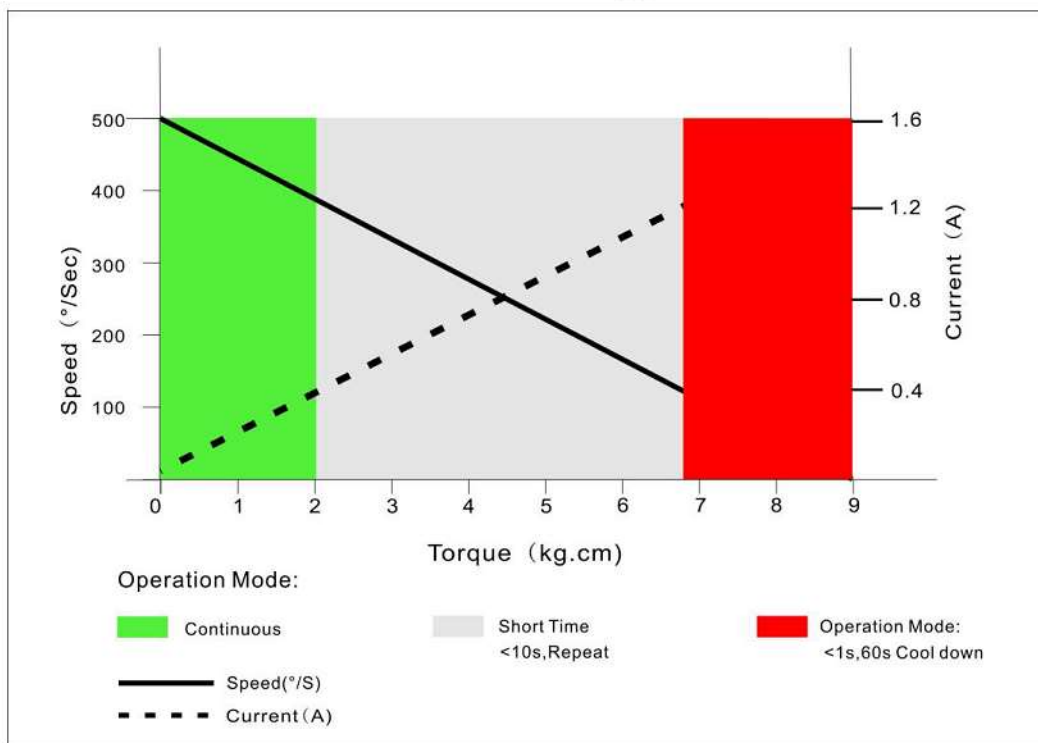
Operating Data

X10-710	
Operation Voltage(rated)	DC7.4V
Operation Voltage Range	DC4.8V-8.4V
Torque	4.5Kg.cm@4.8V
	5.5Kg.cm@6.0V
	6.8Kg.cm@7.4V
	7.50Kg.cm@8.4V
Speed	0.16sec/60°@4.8V
	0.14sec/60°@6.0V
	0.12sec/60°@7.4V
	0.10sec/60°@8.4V
Travel Angle	±50° when 1000-2000us
Operating Temperature Range	-10°C……+65°C

Performance

X10-710

@7.4V



PWM Command Signal

PWM	X10-710
Signal Voltage	TTL-Level: HIGH:min.3.3V,max.5.0V TTL-Level: Low:min.0.0V,max.1.5V
Pulse Lengths	900-2100us
Pulse Lengths for Position -50° /center/ $+50^{\circ}$	1000us/1500us/2000us
Resolution	$\leq 2\mu\text{s}$

Materials and protective features

Case Material	Aluminum Alloy
Motor Type	Coreless
Gear Material	Hardened Steel
Position Sensor	Potentiometer
Position Feedback	Optional (PWM signal,305Hz,5mA)
Connecting Cable	26AWG

Dimensions

Case Dimensions	30*10*30mm
Weight	23g