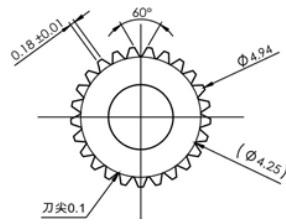
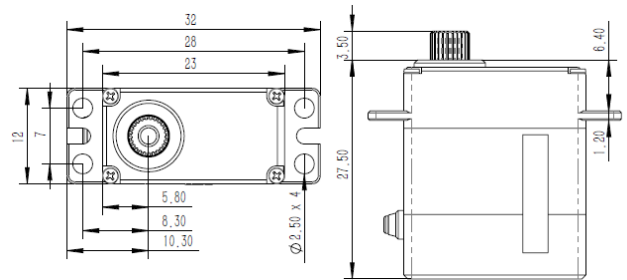


DS315MG V8.0 Technical Specification



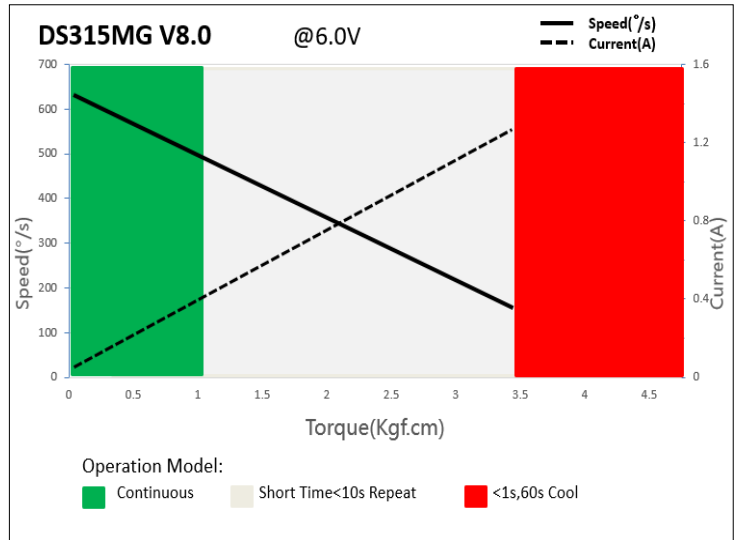
25T 5mm Output Shaft Spline



1. Operating Data

DS315MG V8.0	
Rated Voltage	DC6.0V
Voltage Range	DC4.8V-8.4V
Stalling Torque	2.8Kgf.cm@4.80V
	3.5 Kgf.cm @6.0V
	4.3 Kgf.cm @7.4V
	4.8 Kgf.cm @8.4V
No-load Speed	0.10sec/60°@6.0V
	0.09sec/60°@6.0V
	0.08sec/60°@7.4V
	0.07sec/60°@8.4V
Working Frequency	1520us/333Hz
Default Travel Angle	±70°=140° Total
Temperature Range	-20°C+65°C
Soft Start	Programmable
Programmable	Yes
Case Material	Aluminum Alloy
Motor Type	Coreless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Case Dimensions	23mm*12mm*27.5mm±0.2mm
Weight	20g±10%

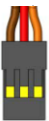
2. Performance



3. Command signal PWM Command Interface

Signal Voltage	HIGH: min.3.3V, max.5.0V Low: min.0.0V, max.1.5V
Pulse Lengths	800us-2200us
Pulse Lengths for Position	1000us/1500us/2000us -50%/ 0%/+50°

4. Electrical Connection

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