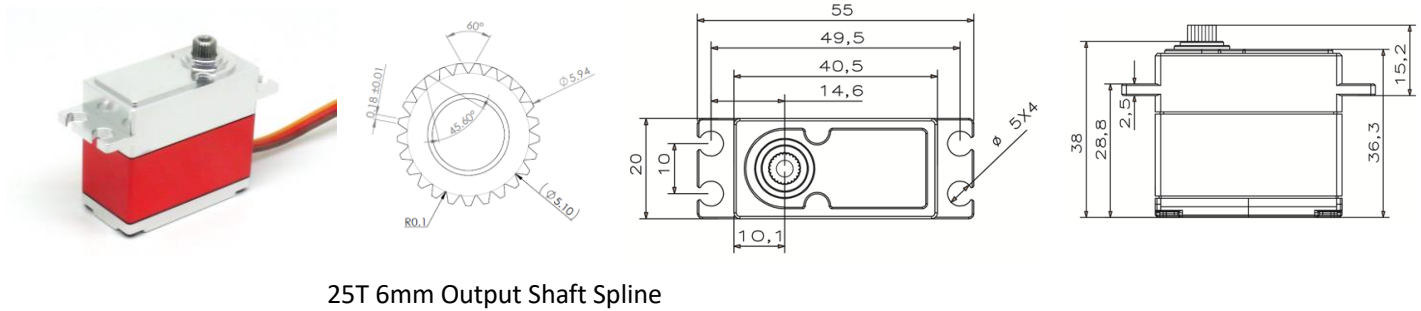


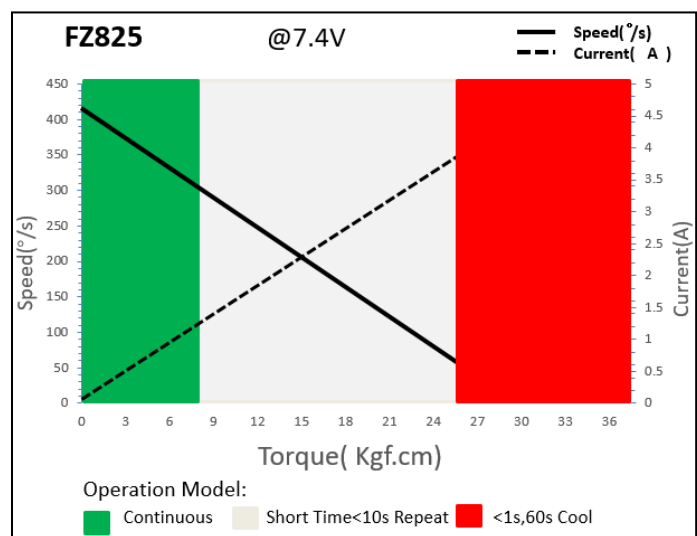
FZ825 Technical Specification



1. Operating Data

	FZ825
Rated Voltage	DC7.4V
Voltage Range	DC6.0V-8.4V
Torque	20Kgf.cm@6.0V
	25Kgf.cm @7.4V
	30Kgf.cm @8.4V
Speed	0.15sec/60°@6.0V
	0.14sec/60°@7.4V
	0.12sec/60°@8.4V
Working Frequency	1520us/333Hz
Default Travel Angle	±90° = 180° Total
Temperature Range	-10°C+65°C
Case Material	Aluminum Alloy
Motor Type	Coreless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Case Dimensions	40.5mm*20mm*38mm±0.2mm
Weight	70g±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	1000us-2000us
Pulse Lengths for Position -90°/ 0°/+90°	1000us/1500us/2000us

4. Electrical Connection

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