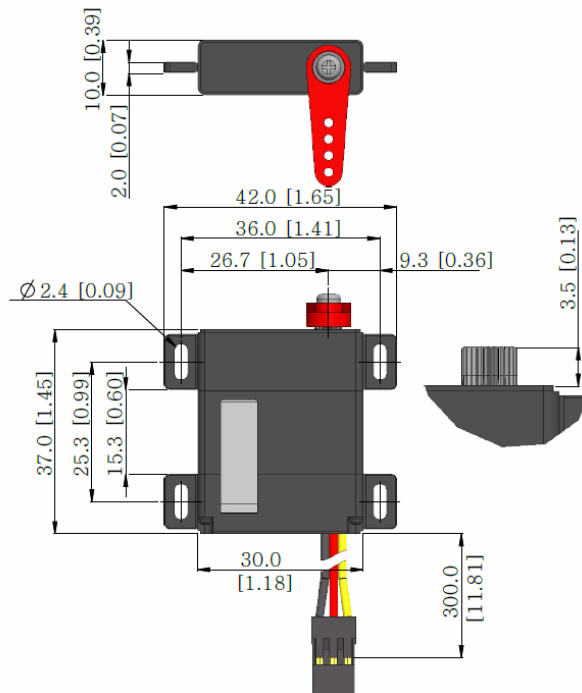


Performance Data

Control System	PWM (Pulse Width Modulation)		
Operating Voltage Range	4.8 V ~ 7.4V		
Motor Type	Carbon Brush	Input Signal	-
MCU	32Bits	Potentiometer	Magnetic Encoder
Test Voltage	At 4.8V	At 6.0V	At 7.4V
No Load Speed	0.21sec/60° (285°/sec)(47RPM)	0.17sec/60° (352°/sec)(59RPM)	0.14sec/60° (428°/sec)(71RPM)
Stall Torque	3.9kg-cm (54.45oz.in)	4.9kg-cm (68.42oz.in)	6.0kg-cm (83.78oz.in)
Stand By Current	30mA	30mA	30mA
No load Running current	120mA	150mA	180mA
Stall Current	1,600mA	2,000mA	2,500mA
Dead Band Width	2usec	2usec	2usec
Operating Travel	Default	±40°	1100 ~ 1900usec
		±60°	900 ~ 2100usec
	Programmable	±90°	600 ~ 2400usec
Connector Wire Length	320mm /Yellow : Signal		
Outline Dimensions	30.0 x 10.0 x 37.0 (±0.2mm) (1.18 x 0.39 x 1.45 in)		
Weight	27.7g (0.977oz) (±10%)	Gear train Backlash	Max 0.5°
Ball Bearing	Dual Ball Bearing / MR85	Axial Load on Output Shaft	NA
Case Material	Engineering Plastic	Slip Cluth Release Momentum	NA
Gear Material	1 Metal + Plastic & 4 Metal Gears	Horn Gear Spline	25T (25 Segment Ø5.0)
Operating Temperature Range	-20°C ~ +70°C (-4°F ~ +158°F)	Storage Temperature Range	-30°C ~ +80°C (-31°F ~ +176°F)
Vibrations At No Load	DO-160F (SEMI 산업용)		
Operational Life cycle	>20h	Load 20% of Max Torque 2sec ±60°	



Unit : mm(inch)

Applications

Industrial
RC , AST PARL FLYING MODELS. ELECTRIC MICRO