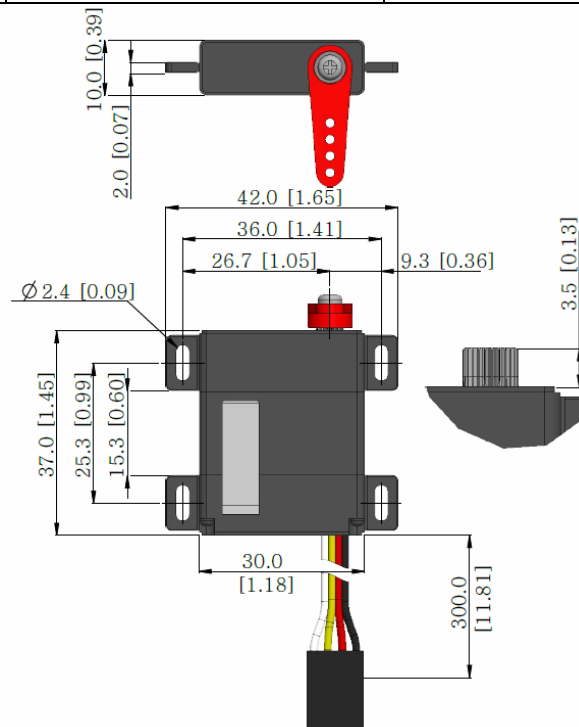


## Performance Data

<b>Control System</b>	Recommended Standard 485		
<b>Operating Voltage Range</b>	4.8 V ~ 7.4V		
<b>Motor Type</b>	Carbon Brush	<b>Input Signal</b>	-
<b>MCU</b>	32Bits	<b>Potentiometer</b>	Magnetic Encoder
<b>Test Voltage</b>	At 4.8V	At 6.0V	At 7.4V
<b>No Load Speed</b>	0.21sec/60° (285°/sec)(47RPM)	0.17sec/60° (352°/sec)(59RPM)	0.14sec/60° (428°/sec)(71RPM)
<b>Stall Torque</b>	3.9kg-cm (54.45oz.in)	4.9kg-cm (68.42oz.in)	6.0kg-cm (83.78oz.in)
<b>Stand By Current</b>	30mA	30mA	30mA
<b>No load Running current</b>	120mA	150mA	180mA
<b>Stall Current</b>	1,600mA	2,000mA	2,500mA
<b>Dead Band Width</b>	2usec	2usec	2usec
<b>Operating Travel</b>	Default	-	-
	Programmable	-	-
<b>Connector Wire Length</b>	320mm /Yellow : RS485_A, White : RS485_B		
<b>Outline Dimensions</b>	30.0 x 10.0 x 37.0 (±0.2mm) (1.18 x 0.39 x 1.45 in)		
<b>Weight</b>	27.7g (0.977oz) (±10%)	<b>Gear train Backlash</b>	Max 0.5°
<b>Ball Bearing</b>	Dual Ball Bearing / MR85	<b>Axial Load on Output Shaft</b>	NA
<b>Case Material</b>	Engineering Plastic	<b>Slip Cluth Release Momentum</b>	NA
<b>Gear Material</b>	1 Metal + Plastic & 4 Metal Gears	<b>Horn Gear Spline</b>	25T (25 Segment Ø5.0)
<b>Operating Temperature Range</b>	-20°C ~ +70°C (-4°F ~ +158°F)	<b>Storage Temperature Range</b>	-30°C ~ +80°C (-31°F ~ +176°F)
<b>Vibrations At No Load</b>	DO-160F (SEMI 산업용)		
<b>Operational Life cycle</b>	>20h	Load 20% of Max Torque 2sec ±60°	



Unit : mm(inch)

<b>Applications</b>	Industrial
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