

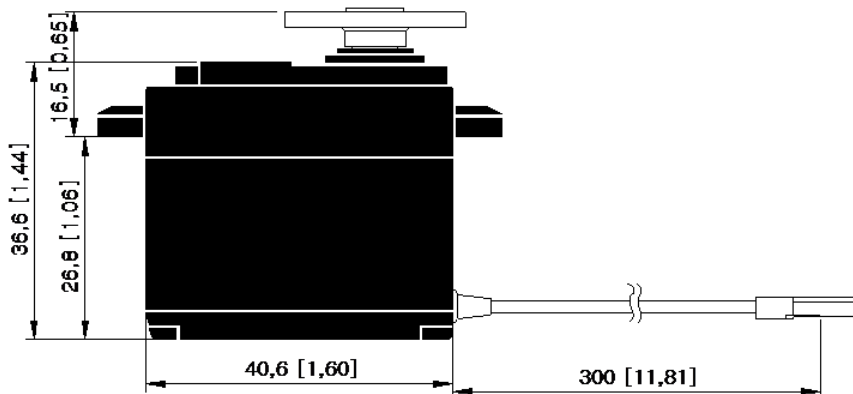
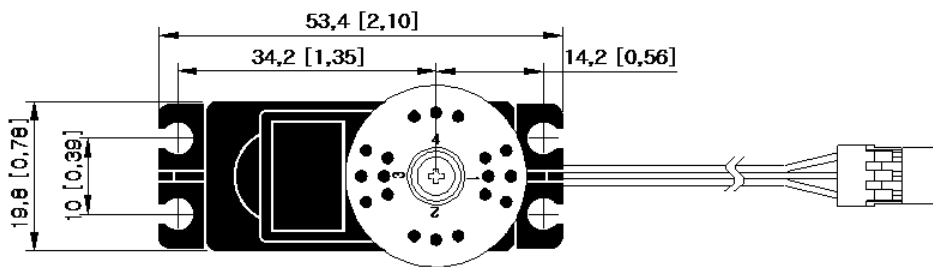
HS-425BB General Specification.



STANDARD DELUXE SERVO

Control system	PWM			-
Position sensor type	Contact Analog Potentiometer			-
Operating voltage range	4.8 ~ 6.0 V			-
Motor type	Cored Metal Brush			-
Voltage	4.8V	6.0V	-	At 25°C, 45% ($\pm 10\%$) measurement environment
No load speed	0.21sec/60°	0.16sec/60°	-	
Stall torque	3.1 kgf-cm(43.05oz-in)	3.9 kgf-cm(54.16oz-in)	-	
Standing current	8mA	8mA	-	
No load running current	150mA	180mA	-	
Stall current	600mA	750mA	-	
Dead band width	5usec	5usec	-	
Operating travel	40°/One side pulse traveling 400usec			-
Operating temperature range	-20°C ~ +60°C (-4°F ~ +140°F)			-
Vibrations at no load	-			-
Storage temperature range	-30°C ~ +80°C (-31°F ~ +176°F)			-
Connector wire length	300mm (11.81inch)			
Connector wire gauge	24AWG			
Dimensions	40.6 mm x 19.8 mm x 36.6 mm (1.6 inch x 0.78inch x 1.44inch)			Refer to the tolerance information
Weight	46.0 g(1.62oz)			Excluding the weight of Horn
Ball bearing	2 Ball Bearing			-
Case material	Engineering plastic			-
Gear material	4 Resin			-
Gear train backlash	Max 0.5°			-
Horn gear spline	24T(Ø6)			-
IP rate	-			-
Servo Amplifier type	Analog Contorller			-
Features	-			-
Applications	-			-

Tolerance ,Unless Otherwise stated is	
Above 0.5 to and Including 9.0	± 0.05
Excess 9 to and Including 120	± 0.1
Excess 120 to and Including 315	± 0.2
Excess 315 to and Including 1000	± 1
Excess 1000 to and Including 2000	± 2



1:1 scale (unit : mm)



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