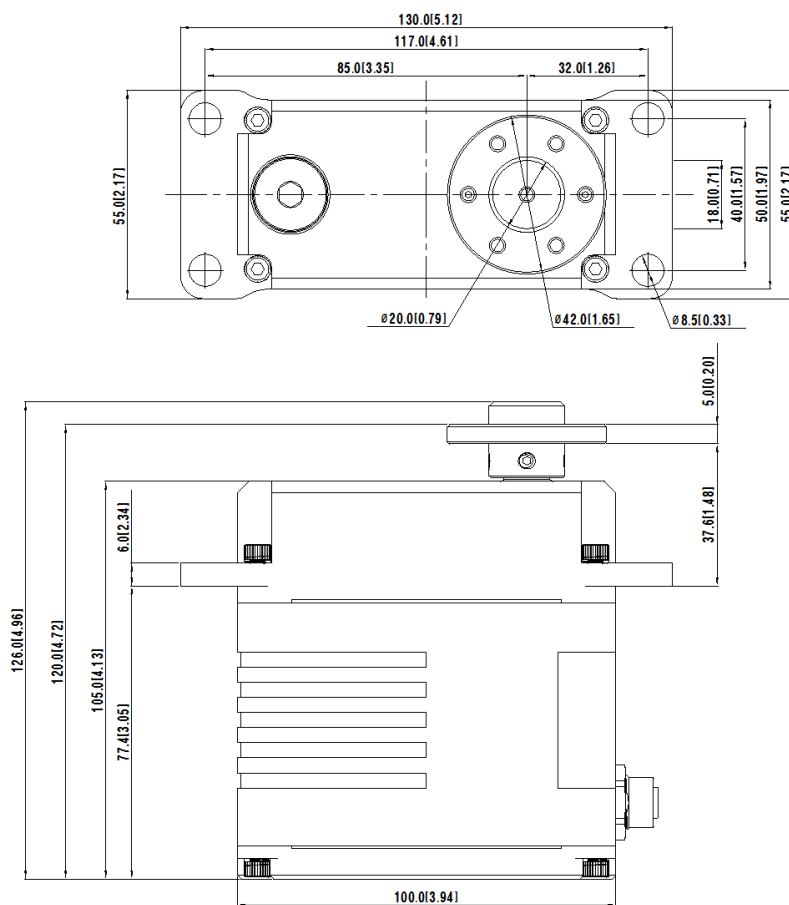


SG50BL-CAN-Circular General Specification.



INDUSTRIAL SERVO

Control system	CAN 2.0A,B / UAVCAN			-
Position sensor type	Contactless Magnetic Encoder			-
Operating voltage range	18.0 ~ 32.0 V			-
Motor type	BLDC			-
Voltage	-	24.0V	-	At 25°C, 45% ($\pm 10\%$) measurement environment
No load speed	-	0.50 sec/60°	-	
Stall torque	-	520.0 kgf·cm(7,221.44oz·in)	-	
Standing current	-	45mA	-	
No load running current	-	300mA	-	
Stall current	-	10,000mA	-	
Dead band width	-	-	-	
Operating travel	Servo mode : $\pm 150^\circ$ / Turn mode : $\pm 32,760$ Turn			-
Operating temperature range	-30°C ~ +70°C(-22°F TO +158°F)			-
Vibrations at no load	MIL-STD-810G 514.6C-VII			-
Storage temperature range	-40°C ~ +80°C(-40°F ~ +176°F)			-
Connector wire length	-			
Connector wire gauge	-			
Dimensions	100.0 mm x 50.0 mm x 105.0 mm (3.94inch x 1.97inch x 4.13inch)			Refer to the tolerance information
Weight	1450.0 g(51.15oz)			Excluding the weight of Horn
Ball bearing	4 Ball bearing & 9 Needle bearing			-
Case material	Rugged Aluminum Alloy			-
Gear material	5 Harden Steel Gear			-
Gear train backlash	Max 0.5°			-
Horn gear spline	Square 12x12			-
IP rate	IP68			-
Servo Amplifier type	32bit programmable Digital			-
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

1:2 scale (unit : mm)



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