

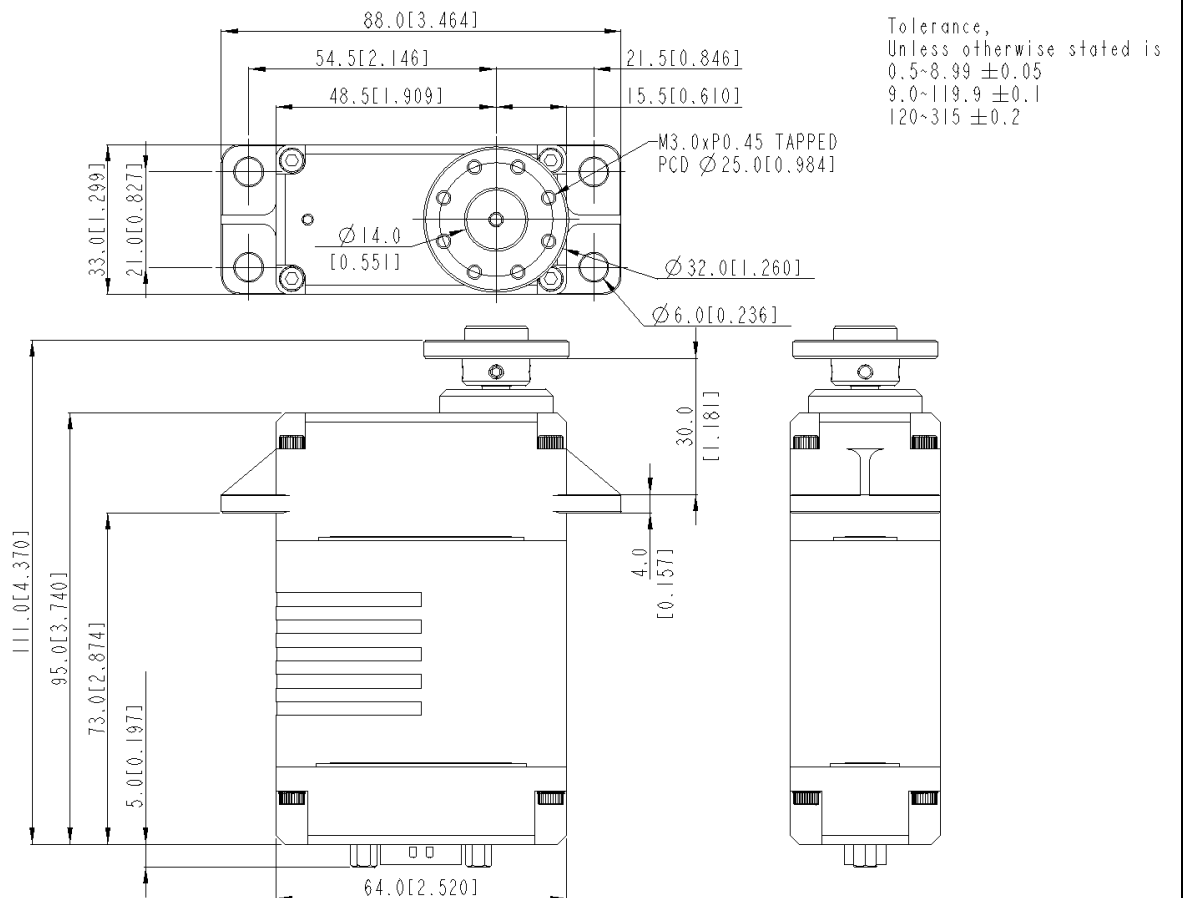
# SG33BL-T-24V General Specification.



## INDUSTRIAL SERVO

Control system	PWM/RS-485/TTL(Half Duplex)		-
Position sensor type	Contactless Magnetic Encoder		-
Operating voltage range	18.0 ~ 32.0 V		-
Motor type	BLDC		-
Voltage	-	24.0V	-
No load speed	-	0.185sec/60°	-
Stall torque	-	147.0 kgf·cm(2,041.45oz·in)	-
Standing current	-	20mA	-
No load running current	-	230mA	-
Stall current	-	6,400mA	-
Dead band width	-	2usec	-
Operating travel	Standard : $\pm 60^\circ \pm 0.5$ / Optional : $\pm 160^\circ \pm 0.5$ / Multi Turn : Max $\pm 8$ Turn( $\pm 2880^\circ$ )		-
Operating temperature range	-30°C ~ +70°C (-22°F ~ +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	64.0 mm x 33.0 mm x 95.0 mm ( 2.520inch x 1.299inch x 3.740inch )		Refer to the tolerance information
Weight	480.0 g(16.93oz)		Excluding the weight of Horn
Bearing type	6 Ball bearing & 2 Needle bearing		-
Case material	Rugged Aluminum Alloy		-
Gear material	1 Metal-Plastic & 3 Hardened Steel Gears		-
Gear train backlash	Max 0.5°		-
Horn gear spline	Square 6.5x6.5		-
IP rate	IP68		-
Servo Amplifier type	32bit programmable Digital		-
Features	-		-
Applications	-		-

1. RS485-A
2. RS485-B
3. Feedback +
4. PWM/TTL
5. Case GND
6. VCC
7. GND
8. N.C
9. Feedback -



3:5 scale (unit : mm)



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