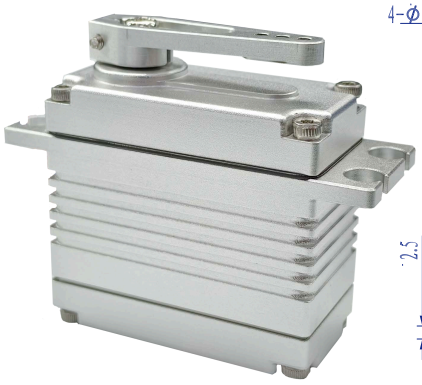
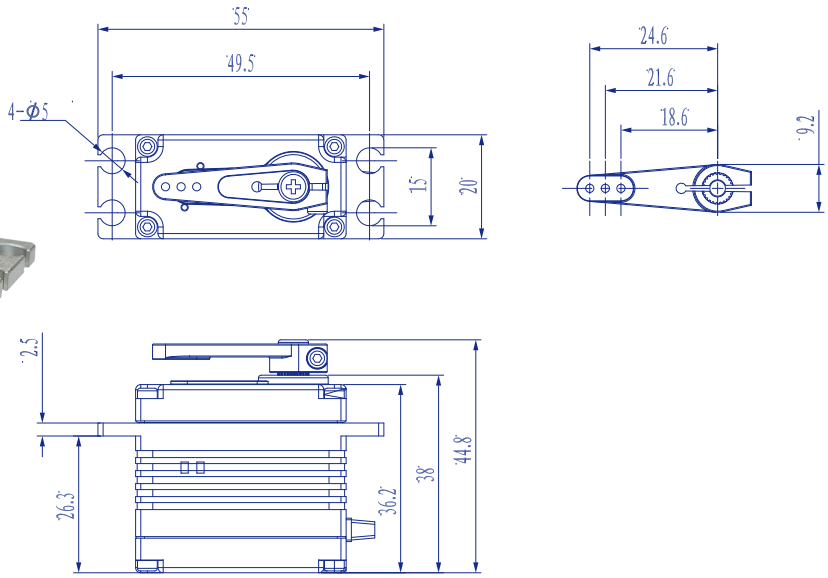
AM-4020SPI1618AE-298-0787 Series





SERVO ACTUATOR DATA	
Rated voltage	DC 7.4V
Voltage range	DC 6V-8.4V
Peak torque	30 Kg.cm@7.4V
Rated torque	9 Kg.cm@7.4V
No load rotation speed	500°/Sec@7.4V
Rated rotation speed	380°/Sec@7.4V
Peak current	＜6A
Rated current	1.5A 120%Max
Default angle	±50°
Operating temperature range	-20°C ~ +65°C
Shell material	6061 T6
Motor type	DC Brushless motor
Gear material	Steel
Position sensor	Non-contact sensor
Outline dimension	44.8mm*55mm*20mm
Weight	66g±10g

COMMAND SIGNAL	
PWM Command interface	
Signal voltage	HIGH:min.3.3V，max.5.0V LOW:min.0V，max.1.5V
Pulse lengths	900μs-2100μs
Pulse lengths for position	1000μs/1500μs/2000 μs -50°/0°/+50°
RS485 command interface and protocol specifications	
Baud-rate	57600±1.5% bits/s
Protocol(Documentation available)	10 Byte(incl.1byte check sum)
Number of data bits	8
Number of stop bits	1
Parity	None

Annotate:

(1) Tolerance±10%;
(2) Programming Tool for PWM-Versions required;
(3) -20°C...+65°C，Δt =85°C（- 4°F...+149°F，Δt =153°F）;
(4) Low Temperature Modification on request（-20°C/-4°F）。

Motor data tested at 25°C. Motor operation exceeding continuous limits will reduce life or result in damage.
At elevated ambient temperatures, load current must be reduced.

Download datasheet: https://assunmotor.com/documents-download

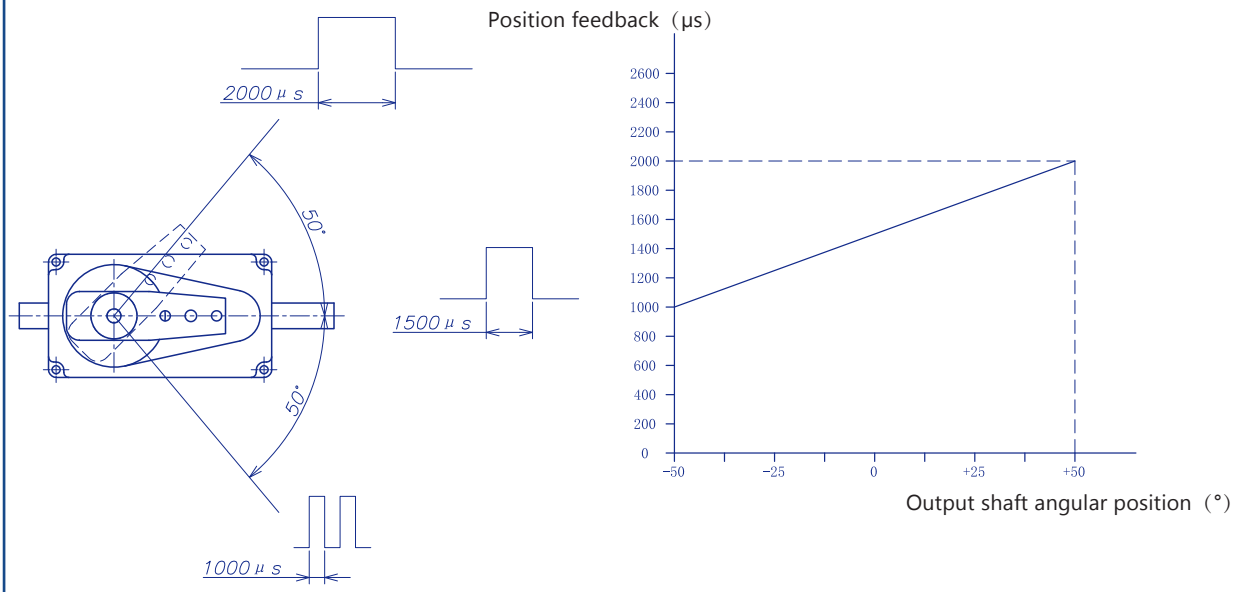
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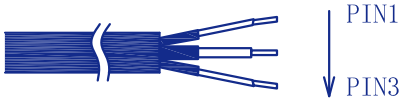
Position feedback signal

The position feedback signal is a square wave output signal that is directly related to the angular position of the output shaft.



CONNECTOR

PIN FUNCTION DEFINITION



Pin	
1	SIG
2	DC+
3	DC-(GND)

Motor data tested at 25°C. Motor operation exceeding continuous limits will reduce life or result in damage.
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