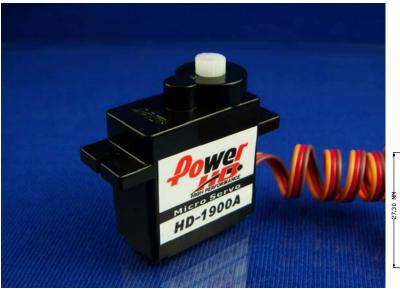
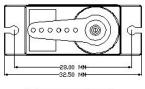
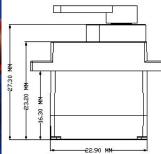
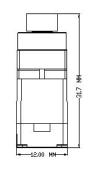
	Apply Environmental Condition :							
No.	Item	Specification						
1-1	Storage Temperature Range	-20°C ∼60°C						
1-2	Operating Temperature Range		-10°C∼50°C					
1-3	Operating Voltage Range	4.5V~6	5.0V					
Standard Test Environment :								
2-1	Standard Test Environment	Every characteristic of the inspect must be normal temperature and humidity carry out the test, temperature $25\pm5^{\circ}$ C and relative humidity $65\pm10\%$ of judgment made in accordance with this specification standard testing conditions.						
Electrical Specification (Function of the Performance) :								
No.	Item	4.8V	6.0V					
4-1	Operating speed (at no load)	$0.11 \text{ sec}/60^{\circ}$	$0.08 \text{ sec}/60^{\circ}$					
4-2	Running current (at no load)	130 mA	140 mA					
4-3	Stall torque (at locked)	1.2 kg-cm	1.5 kg-cm					
4-4	Stall current (at locked)	670 mA	830 mA					
4-5	Idle current (at stopped)	4 mA	5 mA					
	al Specification :	Specification						
No.	Item	Specifica	ition					
No. 5-1	Item Overall Dimensions	Specifica See the dr						
			awing					
5-1	Overall Dimensions	See the dr	rawing 10°					
5-1 5-2	Overall Dimensions Limit angle	See the dr 180°±	awing 10° put servo horn)					
5-1 5-2 5-3	Overall Dimensions Limit angle Weight	See the dr $180^{\circ} \pm 1$ 9 ± 1 grams (witho	awing 10° vut servo horn) VC					
5-1 5-2 5-3 5-4	Overall Dimensions Limit angle Weight Connector wire gauge	See the dr 180°± 1 9 ± 1 grams (witho # 28 P	rawing 10° out servo horn) VC mm					
5-1 5-2 5-3 5-4 5-5	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length	See the dr 180°± 1 9 ± 1 grams (witho # 28 P 150 ± 5	rawing 10° but servo horn) VC mm 4.82					
5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length Horn gear spline Horn type Reduction ratio	See the dr $180^{\circ} \pm 1$ 9 ± 1 grams (witho $#28$ P 150 ± 5 $20T/\phi^2$	rawing 10° but servo horn) VC mm 4.82 Bar ,					
5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length Horn gear spline Horn type	See the dr 180°± 1 9 ± 1 grams (witho # 28 P 150 ± 5 20T/ ¢ ² Cross , H	rawing 10° but servo horn) VC mm 4.82 Bar ,					
5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length Horn gear spline Horn type Reduction ratio	See the dr 180°± 1 9 ± 1 grams (witho # 28 P 150 ± 5 20T/ ¢ ² Cross , H	awing 10° put servo horn) VC mm 1.82 Bar , 5					
5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8 ontrol S	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length Horn gear spline Horn type Reduction ratio Specification :	See the dr $180^{\circ} \pm 1$ 9 ± 1 grams (witho $#28$ P 150 ± 5 $20T/\phi^2$ Cross , I $1/26$	rawing 10° but servo horn) VC mm 4.82 Bar , 5 5					
5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8 ontrol S No.	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length Horn gear spline Horn type Reduction ratio Specification : Item	See the dr 180°± 1 9 ± 1 grams (witho # 28 P 150 ± 5 20T/ ¢ ² Cross , H 1/26 Specifica	awing 10° but servo horn) VC mm 4.82 Bar , 5 tion odification					
5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8 ontrol S No. 6-1	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length Horn gear spline Horn type Reduction ratio Specification : Item Control system Amplifier type Operating travel	See the dr $180^{\circ} \pm 1$ 9 ± 1 grams (without the second seco	awing 10° but servo horn) VC mm 4.82 Bar , 5 Ation odification htroller					
5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8 ontrol S No. 6-1 6-2 6-3 6-4	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length Horn gear spline Horn type Reduction ratio Specification : Item Control system Amplifier type	See the dr $180^{\circ} \pm 1$ 9 ± 1 grams (witho $#28$ P 150 ± 5 $20T/\phi^2$ Cross , H $1/26$ Specifica Pulse width m Analog cor 90° (when $1000 - 1500 \mu$	awing 10° but servo horn) VC mm 4.82 Bar, 5 Ation odification htroller >2000 μ sec)					
5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8 ontrol S No. 6-1 6-2 6-3	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length Horn gear spline Horn type Reduction ratio Specification : Item Control system Amplifier type Operating travel	See the dr $180^{\circ}\pm 1$ 9 ± 1 grams (witho $\# 28 P^{\circ}$ 150 ± 5 $20T/\phi^{2}$ Cross, I 1/26 Specifica Pulse width m Analog cor 90° (when 1000– 1500μ	awing 10° but servo horn) VC mm 4.82 Bar, 5 Ation odification htroller >2000 μ sec)					
5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8 ontrol S No. 6-1 6-2 6-3 6-4	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length Horn gear spline Horn type Reduction ratio Control system Amplifier type Operating travel Neutral position Dead band width Rotating direction	See the dr 180°± 1 9±1 grams (witho #28 P 150±5 20T/ ϕ^2 Cross, H 1/26 Specifica Pulse width m Analog cor 90° (when1000– 1500 μ 7 μ Clockwise (when1	awing 10° but servo horn) VC mm 4.82 Bar, 5 Ation odification atroller >2000 μ sec) μ sec μ sec 1500->2000 μ sec)					
5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8 ontrol S No. 6-1 6-2 6-3 6-4 6-5	Overall Dimensions Limit angle Weight Connector wire gauge Connector wire length Horn gear spline Horn type Reduction ratio Specification : Item Control system Amplifier type Operating travel Neutral position Dead band width	See the dr $180^{\circ}\pm 1$ 9 ± 1 grams (witho # 28 P 150 ± 5 $20T/\phi^2$ Cross, I 1/26 Specifica Pulse width m Analog cor 90° (when 1000– 1500μ 7μ	rawing 10° but servo horn) VC mm 4.82 Bar, 5 Ation odification Atroller >2000 μ sec) μ sec 1500->2000 μ sec) μ sec					









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Product Name	Model No.	Version	Page
SERVO	HD-1900A	V1	1/1