

ARS-3216HTG+HV / Advance Robot Digital High Voltage Servo+HS+TG

(High Torque)

Control System	Positive PWM control 1500 usec Neutral	
Operating Voltage Range	6.0V ~ 8.4V (Support 2S Li-Poly)	
Operating Temperature Range	-20C° ~ +90C° (-4°F ~ 194°F)	
Test Voltage:	Stall Torque	Motion Speed
At 6.0V	25.8kg/cm , 359oz/in	0.18sec / 60 deg at no load
At 7.4V	32.4kg/cm , 420oz/in	0.16sec / 60 deg at no load
Idle Current	2mA at stopped	2mA at stopped
Running Current	580mA at no load	810mA at no load
Stall Current	5300mA	6200mA
Dead band width	2.1 us	2.1 us
Travel Degree	280 degree / 0.9us ~ 2.1us PWM	
Direction	Re-clock wise/ Pulse Travel 1500 to 2000 usec	
Motor Type	Japan Coreless motor	
Potentiometer Type	FSE11-4 Slider/indirect drive	
Amplifier Type	6A Double Power MOS-FET	
Dimensions	43 x 32 x 32.5 mm/ 1.69 x 1.25 x 1.28 inch	
Weight:	73grams / 1.93oz without splined horn	
Ball Bearing	Dual / M10x6	
Gear Material	Stainless Steel Gears	
Horn Gear Spline	Metal 25 Tooth (External diameter: 6.0mm)	
Connector Wire Length	500mm (14.85inch)	
Connector Wire Stand Counter	60EA	
Connector Wire Gauge	22AWG	
Wire Info (Black)	- Negative	
Wire Info (Red)	+ Positive	
Wire Info (White)	S Single	

