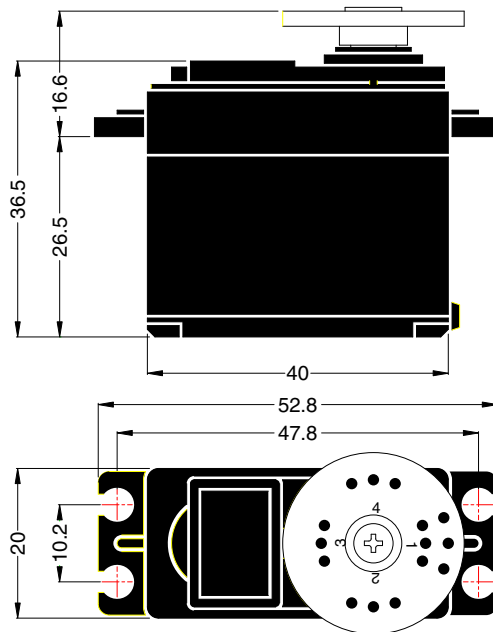


## ANNOUNCED SPECIFICATION OF HS-311 STANDARD SERVO

### 1. TECHNICAL VALUE

CONTROL SYSTEM	:+PULSE WIDTH CONTROL 1500usec NEUTRAL	
OPERATING VOLTAGE RANGE	:4.8V TO 6.0V	
TEST VOLTAGE	:AT 4.8V	AT 6.0V
OPERATING SPEED	:0.19sec/60° AT NO LOAD	0.15sec/60° AT NO LOAD
STALL TORQUE	:3.0kg.cm(42oz.in)	3.5kg.cm(48.60oz.in)
IDLE CURRENT	:7.4mA AT STOPPED	7.7mA AT STOPPED
RUNNING CURRENT	:160mA/60° AT NO LOAD	180mA/60° AT NO LOAD
STALL CURRENT	:700mA	800mA
DEAD BAND WIDTH	:5usec	5usec
OPERATING TRAVEL	:40°/ONE SIDE PULSE TRAVELING 400usec	
DIRECTION	:CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec	
MOTOR TYPE	:CORED METAL BRUSH	
POTENTIOMETER TYPE	:4 SLIDER/DIRECT DRIVE	
AMPLIFIER TYPE	:ANALOG CONTROLLER & TRANSISTOR DRIVER	
DIMENSIONS	:40x20x36.5mm(1.57x0.78x1.43in)	
WEIGHT	:43g(1.51oz)	
BALL BEARING	:TOP/RESIN BUSHING	
GEAR MATERIAL	:RESIN	
HORN GEAR SPLINE	:24 SEGMENTS/Ø5.76	
SPLINED HORNS	:SUPER/R-XA	
CONNECTOR WIRE LENGTH	:300mm(11.81in)	
CONNECTOR WIRE STRAND COUNTER	:40EA	
CONNECTOR WIRE GAUGE		



### 2. FEATURES

LONG LIFE POTENTIOMETER, TOP RESIN BUSHING

### 3. APPLICATIONS

AIRCRAFT 20-40 SIZE, STEERING AND THROTTLE SERVO FOR CARS, TRUCK AND BOATS

### 4. ACCESSORY & OPTION

CASE SET/	GEAR SET/	HORN SET/
HS322T:1EA	HS322G1:1EA	R-XA:1EA
HS322M:1EA	HS322G2:1EA	
HS322L:1EA	HS322G3:1EA	
PH/T-2 2x30 NI:4EA	HS322G4:1EA	
	HS300RB:1EA	