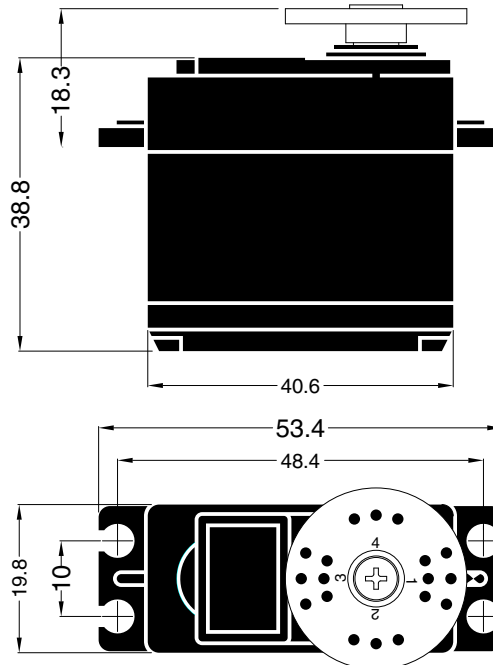


GENERAL SPECIFICATION OF HS-635HB HIGH TORQUE SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM	:+PULSE WIDTH CONTROL 1500usec NEUTRAL	
OPERATING VOLTAGE RANGE	:4.8V TO 6.0V	
OPERATING TEMPERATURE RANGE	:-20°C TO +60°C(-46°F TO +86°F)	
TEST VOLTAGE	:AT 4.8V	AT 6.0V
OPERATING SPEED	:0.18sec/60° AT NO LOAD	0.15sec/60° AT NO LOAD
STALL TORQUE	:5kg.cm(69.43oz.in)	6kg.cm(83.32oz.in)
STANDING TORQUE	:4kg.cm(55.54oz.in)/5° HOLD OUT	5kg.cm(69.43oz.in)/5° HOLD OUT
IDLE CURRENT	:7.4mA AT STOPPED	7.7mA AT STOPPED
RUNNING CURRENT	:400mA/60° AT NO LOAD	500mA/60° AT NO LOAD
STALL CURRENT	:2000mA	2500mA
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	:6 SLIDER/INDIRECT DRIVE	
AMPLIFIER TYPE	:ANALOG CONTROLLER & MOSFET DRIVER	
DIMENSIONS	:40.6x19.8x38.8mm(1.59x0.77x1.52in)	
WEIGHT	:50g(1.76oz)	
BALL BEARING	:DUAL/MR106	
GEAR MATERIAL	:HEAVY DUTY RESIN	
HORN GEAR SPLINE	:24 SEGMENTS/Ø5.76	
SPLINED HORNS	:REGULAR/R-C,R-D,R-I,R-O,R-X, SUPER/R-XA	
CONNECTOR WIRE LENGTH	:300mm(11.81in)	
CONNECTOR WIRE STRAND COUNTER	:60EA	
CONNECTOR WIRE GAUGE	:22AWG	



2. FEATURES

HEAVY DUTY RESIN GEAR, DUAL BALL BEARING

3. APPLICATIONS

AIRCRAFT 20-60 SIZE, 60 SIZE HELICOPTERS, STEERING AND THROTTLE SERVO, TRUCK AND BOATS

4. ACCESSORY & OPTION

CASE SET/

HS635T:1EA
 HS635M:1EA
 HS635L:1EA
 PH/T-2 2x33 NI:4EA

GEAR SET/

HS635G1:1EA
 HS635G2:1EA
 HS635G3:1EA
 HS635G4:1EA
 HS75PG:1EA

BALL BEARING SET/

MR106:2EA

HORN SET/

R-C:1EA
 R-D:1EA
 R-I:1EA
 R-X:1EA
 R-XA:1EA
 WH/W 2.1x15 NI:4EA
 BST 3x5.5:4EA
 NBR 9x6.5x6:4EA