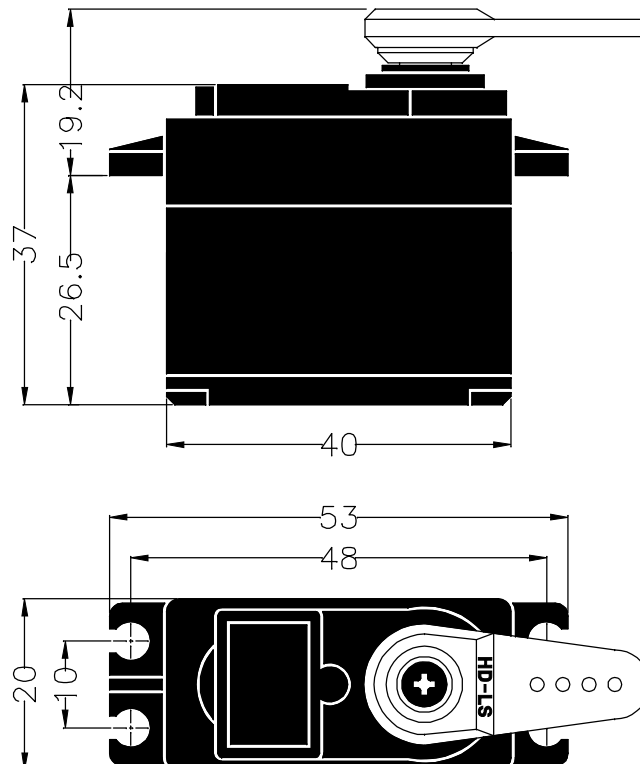


# GENERAL SPECIFICATION OF HS-965MG CORELESS METAL GEAR SERVO

## 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(-4°F TO +140°F)	
TEST VOLTAGE	:AT 4.8V	AT 6.0V/REFERENCE USE ONLY
OPERATING SPEED	:0.13sec/60° AT NO LOAD	0.10sec/60° NO LOAD
STALL TORQUE	:7.4kg.cm(102.76oz.in)	9.5kg.cm(131.93oz.in)
STANDING TORQUE	:8.9kg.cm(123.60oz.in)/5° HOLDOUT	11.4kg.cm(158.314oz.in)/5° HOLDOUT
IDLE CURRENT	:3mA AT STOPPED	3mA AT STOPPED
RUNNING CURRENT	:200mA/60° AT NO LOAD RUNNING	240mA/60° AT NO LOAD RUNNING
STALL CURRENT	:2400mA	3000mA
DEAD BAND WIDTH	:5usec	5usec
OPERATING TRAVEL	:40°/ONE SIDE PULSE TRAVELING 400usec	
DIRECTION	:CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec	
MOTOR TYPE	:CORELESS METAL BRUSH	
POTENTIOMETER TYPE	:6 SLIDER/INDIRECT DRIVE	
AMPLIFIER TYPE	:ALALOG AMPLIFIER WITH MOSFET DRIVER	
DIMENSIONS	:40x20x37mm(1.57x0.78x1.45in)	
WEIGHT	:62g(2.18oz)WITHOUT SPLINED HORN	
BALL BEARING	:DUAL/MR106	
GEAR MATERIAL	:1 METAL-KARBONITE, 3 METAL GEARS	
HORN GEAR SPLINE	:24 SEGMENTS/ø5.76	
SPLINED HORNS	:HEAVY DUTY/HD-IL,HD-IS,HD-O,HD-LL,HD-LS	
CONNECTOR WIRE LENGTH	:300mm(11.81in)	
CONNECTOR WIRE STRAND COUNTER	:60EA	
CONNECTOR WIRE GAUGE	:22AWG	



## 2. FEATURES

DURABLE HEAVY DUTY METAL GEARS WITH BALL BEARING

## 3. APPLICATIONS

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