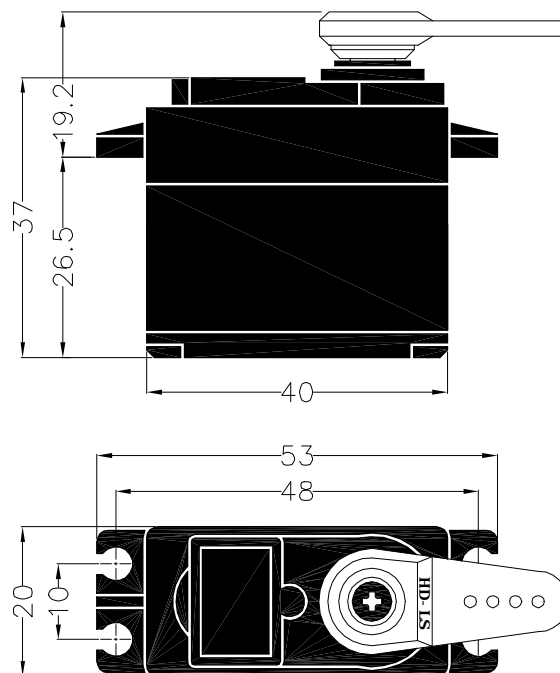


## GENERAL SPECIFICATION OF HS- 965MG CORELESS METAL GEAR SERVO

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