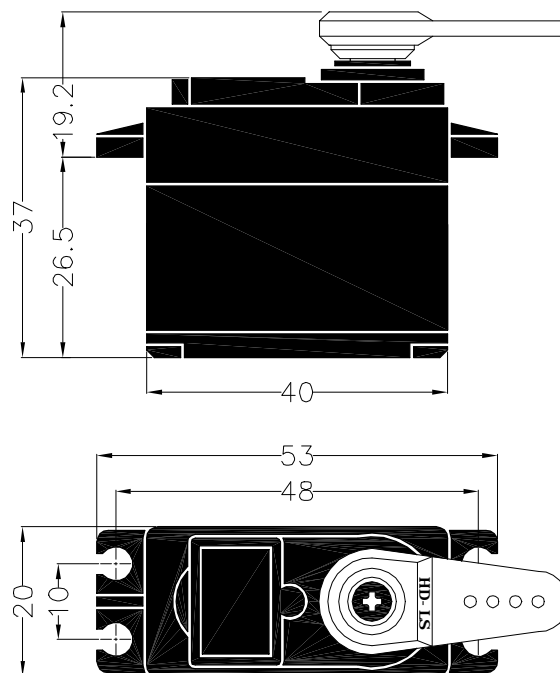


GENERAL SPECIFICATION OF HS- 985MG CORELESS METAL GEAR SERVO

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
OPERATING SPEED	: 0.16sec/60° AT NO LOAD 0.13sec/60° AT NO LOAD
STALL TORQUE	: 9.6kg.cm(133.31oz.in) 12.4kg.cm(172.20oz.in)
STANDING TORQUE	: 11.5kg.cm(159.70oz.in)/5° HOLDOUT 14.9kg.cm(206.92oz.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