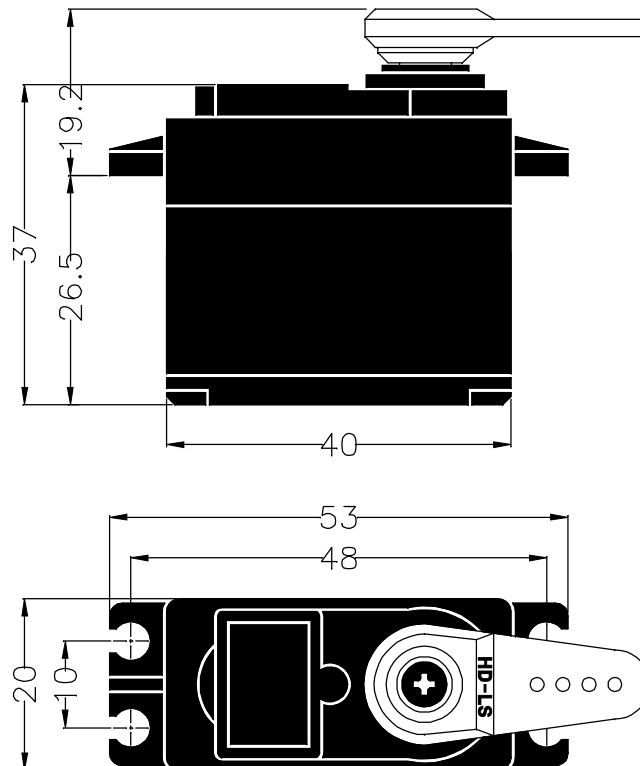


GENERAL SPECIFICATION OF HS-985MG CORELESS METAL GEAR SERVO

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 | : ANALOG 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