

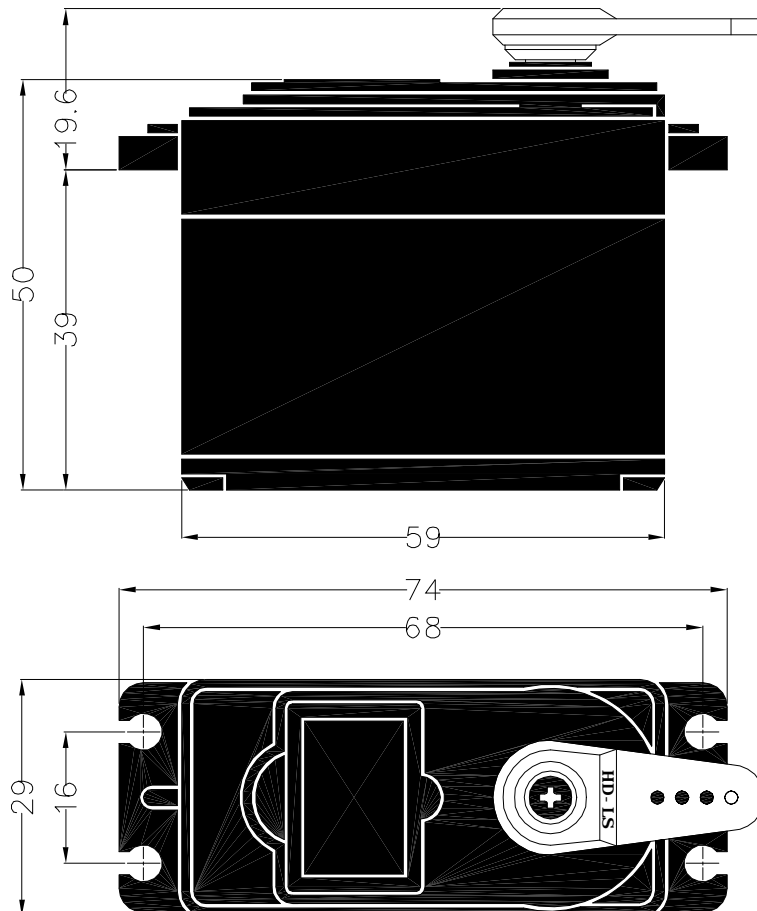
GENERAL SPECIFICATION OF HS- 755MG METAL GEAR QUARTER SCALE SERVO

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
OPERATING SPEED	: 0.28sec/60° AT NO LOAD
STALL TORQUE	: 12.0kg.cm(166.64oz.in)
STANDING TORQUE	: 9.6kg.cm(133.31oz.in)/5° HOLDOUT
IDLE CURRENT	: 8mA AT STOPPED
RUNNING CURRENT	: 230mA/60° AT NO LOAD RUNNING
STALL CURRENT	: 1500mA
DEAD BAND WIDTH	: 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 AMPLIFIER
DIMENSIONS	: 59x29x50mm(2.32x1.14x1.96in)
WEIGHT	: 117g(4.12oz)
BALL BEARING	: DUAL/MR106
GEAR MATERIAL	: 1 KARBONITE, 3 METAL
HORN GEAR SPLINE	: 24 SEGMENTS/ø5.76
SPLINED HORNS	: HEAVY DUTY/HD-IS, HD-O, HD-LS, HD-IL, HD-LL
CONNECTOR WIRE LENGTH	: 300mm(11.81in)
CONNECTOR WIRE STRAND COUNTER	: 60EA
CONNECTOR WIRE GAUGE	: 22AWG

REFERENCE USE ONLY

0.23sec/60° NO LOAD
14.4kg.cm(199.97oz.in)
11.5kg.cm(159.70oz.in)/5° HOLDOUT
8mA AT STOPPED
250mA/60° AT NO LOAD RUNNING
1800mA
5usec



2. FEATURES

- METAL GEARS WITH DUAL BALL BEARING
- WATER & DUST TIGHT

3. APPLICATIONS

- FOR LARGE MODELS