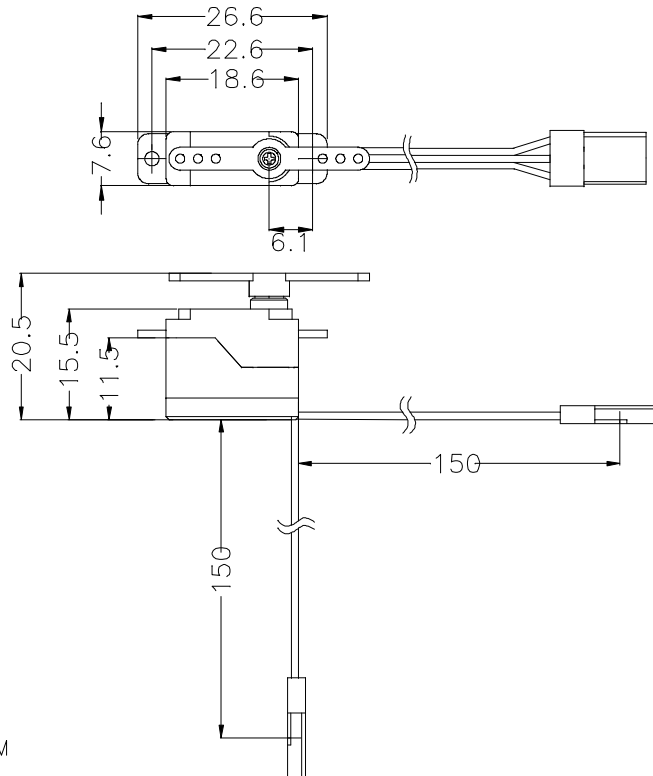


GENERAL SPECIFICATION OF HS-5035HD ULTRA NANO DIGITAL SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM	: +PULSE WIDTH CONTROL 1500usec NEUTRAL	
OPERATING VOLTAGE RANGE	: ONLY 4.8V	
OPERATING TEMPERATURE RANGE	: -20°C TO +60°C(-4°F TO +140°F)	
TEST VOLTAGE	: AT 4.8V only	AT 6.0V/REFERENCE USE ONLY
OPERATING SPEED	: 0.1sec/60° AT NO LOAD	0.8sec/60° AT NO LOAD
STALL TORQUE	: 0.8kg.cm(11.11oz.in)	1.0kg.cm(13.89oz.in)
IDLE CURRENT	: 8mA AT STOPPED	8mA AT STOPPED
RUNNING CURRENT	: 60mA/60° AT NO LOAD	80mA/60° AT NO LOAD
STALL CURRENT	: 360mA	430mA
DEAD BAND WIDTH	: 3usec	3usec
OPERATING TRAVEL	: 40°/ONE SIDE PULSE TRAVELING 400usec	
DIRECTION	: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec	
ROTATIONAL LIFE	: 10,000cycle MIN/0.16kg.cm LOADED	
GEAR STRENGTH	: 1.6kg.cm(22.22oz.in)MIN	
MOTOR TYPE	: CORELESS METAL BRUSH	
POTENTIOMETER TYPE	: 1 SLIDER TRIMMER/DIRECT DRIVE	
AMPLIFIER TYPE	: Digital/MCU(V1.06F) – Fully Programmable Feature	
DIMENSIONS	: 18.6x7.6x15.5mm(0.73x0.30x0.61in)	
WEIGHT	: 4.5g(0.158oz)	
BALL BEARING	: NON	
GEAR MATERIAL	: 3 KARBONITE RESIN / 2 MPG	
HORN GEAR SPLINE	: 15 SEGMENTS/ø4	
SPLINED HORNS	: FEATHER/FS-X, FS-IS, FS-IL, FS-IXL	
CONNECTOR WIRE LENGTH	: 150mm(5.9in)	
CONNECTOR WIRE STRAND COUNTER	: 20 EA	
CONNECTOR WIRE GAUGE	: 28AWG	



2. FEATURES

- LOW WEIGHT
- HIGH IMPACT GEARS
- MULTI-DIRECTIONAL WIRE SYSTEM

3. APPLICATIONS

FAST PARK FLYING MODELS. ELECTRIC MICRO PLANE, MAV