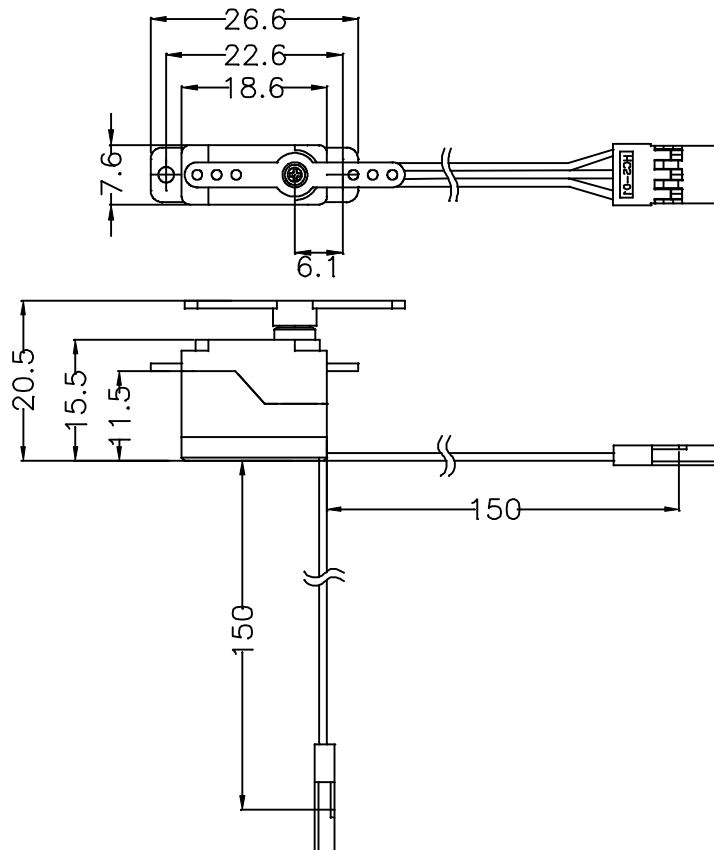


# GENERAL SPECIFICATION OF HS-35HD KARBONITE GEAR ULTRA NANO SERVO

## 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	AT 6.0V/REFERANCE USE ONLY
OPERATING SPEED	:0.1sec/60° AT NO LOAD	0.08sec/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	:5usec	5usec
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	:ANALOG SMT	
DIMENSIONS	:18.6x7.6x15.0mm(0.73x0.30x0.59in)	
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