GENERAL SPECIFICATION OF HSB-9381TH ULTRA TORQUE BLDC SERVO

1. TECHNICAL VALUE
   CONTROL SYSTEM: +PULSE WIDTH CONTROL 1500usec NEUTRAL
   OPERATING VOLTAGE RANGE: 6.0V TO 7.4V
   OPERATING TEMPERATURE RANGE: -20°C TO +60°C (-4°F TO +140°F)
   TEST VOLTAGE: AT 6.0V
   OPERATING SPEED: -0.17sec/60° AT NO LOAD / 0.14sec/60° AT NO LOAD
   STALL TORQUE: 34.0kg.cm(472.16oz.in) / 34.0kg.cm(472.16oz.in)
   STANDING TORQUE:
   IDLE CURRENT: 27mA AT STOPPED
   RUNNING CURRENT: 250mA/NO LOAD RUNNING
   STALL CURRENT: 2700mA
   DEAD BAND WIDTH: 1usec
   OPERATING TRAVEL: ONE SIDE PULSE TRAVELING 400usec
   DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
   MOTOR TYPE: BLDC
   POTENTIOMETER TYPE: 4 SLIDER/1M CYCLE LONG LIFE/INDIRECT DRIVE
   AMPLIFIER TYPE: DSP|C33 MCU DIGITAL AMPLIFIER WITH MOSFET DRIVE
   DIMENSIONS: 40x20x38mm(1.57x0.79x1.50in)
   WEIGHT: 79g(2.78oz)
   BALL BEARING: DUAL/MR106
   GEAR MATERIAL: METAL-PLASTIC & 3 TITANIUM ALLOY
   HORN GEAR SPLINE: 25 SEGMENTS/86.0
   SPLINED HORNS: HEAVY DUTY/LS25, IM25, OS25, X25, IL25, LL25, IG25, LG25
   CONNECTOR WIRE LENGTH: 300mm(11.81in)
   CONNECTOR WIRE STRAND COUNTER: 80EA
   CONNECTOR WIRE GAUGE: 20AWG

2. FEATURES
   PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE
   DURABLE TITANIUM ALLOY METAL GEARS WITH DUAL BALL BEARING
   HEAT SINK FOR MOTOR
   FULL METAL CASE

3. APPLICATIONS
   LARGE AIR PLANE MODELS

HITEC RCD KOREA INC.