GENERAL SPECIFICATION OF
HSB-9360TH HIGH VOLTAGE 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: 6.0V AT 7.4V
OPERATING SPEED: 0.075sec/60° AT NO LOAD, 0.06sec/60° AT NO LOAD
STALL TORQUE: 17.0kg.cm (236.08oz.in) 17.0kg.cm (236.08oz.in)
STANDING TORQUE: –
IDLE CURRENT: 27mA AT STOPPED
RUNNING CURRENT: 250mA NO LOAD RUNNING
STALL CURRENT: 2700mA
DEAD BAND WIDTH: 1usec, 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: DSPIC33 MCU DIGITAL AMPLIFIER WITH MOSFET DRIVE
DIMENSIONS: 40x20x38mm (1.57x0.79x1.50in)
WEIGHT: 68g (2.40oz)
BALL BEARING: DUAL/HR106
GEAR MATERIAL: 1 METAL–PLASTIC & 3 TITANIUM ALLOY
HORN GEAR SPLINE: 25 SEGMENTS/Φ6.0
SPLINED HORNS: HEAVY DUTY/ LS25, IM25, X25, OS25, IL25, LL25
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
ULTRA HARDNESS GEAR SHAFT WITH 3 AXIAL METAL BUSHING
WATER & DUST RESISTANCE
HEAT SINK FOR MOTOR

3. APPLICATIONS
LARGE AIR PLANE MODELS

HITEC RCD KOREA INC.