GENERAL SPECIFICATION OF
HSB-9465SH 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 (-68°F TO +140°F)
TEST VOLTAGE: AT 6.0V 7.4V AT 7.4V
OPERATING SPEED: 0.09sec/60° AT NO LOAD 0.07sec/60° AT NO LOAD
STALL TORQUE: 13.5kg.cm (187.48oz.in) 13.5kg.cm (187.48oz.in)
STANDING TORQUE: - -
IDLE CURRENT: 30mA AT STOPPED 30mA AT STOPPED
RUNNING CURRENT: 250mA/60° AT NO LOAD RUNNING 200mA/60° AT NO LOAD RUNNING
STALL CURRENT: 1100mA 900mA
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: 40x20x37mm (1.57x0.78x1.45in)
WEIGHT: 65g (2.29oz)
BALL BEARING: DUAL/MR106
GEAR MATERIAL: 1 METAL-KARBONITE, 3 METAL GEARS
HORN GEAR SPLINE: 25 SEGMENTS / #6.0
SPUNED 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 BLDC MOTOR
DURABLE HEAVY DUTY METAL GEARS WITH BALL BEARING
WATER & DUST TIGHT

3. APPLICATIONS

AIRCRAFT 20-60 SIZE, 60 SIZE HELICOPTERS, STEERING AND THROTTLE SERVO, TRUCK AND BOATS

HITEC RCD KOREA INC.