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 4.8V AT 6.0V AT 7.4V
OPERATING SPEED: 0.28sec/60' 0.21 0.17sec
STALL TORQUE: 26.0kg.cm (500oz.in) 36.0kg.cm (500oz.in) 44.0kg.cm (611oz.in)
STANDING TORQUE: -- -- --
IDLE CURRENT: 30mA 30mA 30mA
RUNNING CURRENT: 300mA 390mA 500mA
STALL CURRENT: 4,800mA 4,800mA 6,200mA
DEAD BAND WIDTH: 1usec 1usec 1usec
OPERATING TRAVEL: ±40±5°/ONE SIDE PULSE TRAVELING 400usec
DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
MOTOR TYPE: CORELESS METAL BRUSH
POTentiOMETER TYPE: 4 SLIDER/1M CYCLE LONG LIFE/INDIRECT DRIVE
AMPLIFIER TYPE: ATMEGA48 MCU DIGITAL AMPLIFIER WITH MOSFET DRIVE
DIMENSIONS: 43.8x22.4x40.0mm (1.72x0.88x1.57in)
WEIGHT: 78.2g (2.76oz)
BALL BEARING: DUAL/MR106
GEAR MATERIAL: 1 METAL-PLASTIC & 3 TITANIUM ALLOY
HORN GEAR SPLINE: 25 SEGMENTS / 6.0
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
SEMI-PERMANENT MAGNETIC ROTARY ENCODER
ULTRA HARDNESS GEAR SHAFT WITH 4 AXIAL METAL BUSHING
WATER & DUST RESISTANCE
HEAT SINK FOR MOTOR & MOSFET

3. APPLICATIONS

LARGE AIR PLANE MODELS

HITEC RCD KOREA INC.