1. TECHNICAL VALUE

CONTROL SYSTEM: +PULSE WIDTH CONTROL 1500usec NEUTRAL
OPERATING VOLTAGE RANGE: 4.8V 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: 0.23sec/60' 0.17sec/60' 0.14sec/60'
STALL TORQUE: 21.0kg.cm(291.63oz.in) 29.0kg.cm(402.73oz.in) 35.0kg.cm(486.05oz.in)
STANDING TORQUE: ---
IDLE CURRENT: 30mA 30mA 30mA
RUNNING CURRENT: 300mA 390mA 500mA
STALL CURRENT: 3,700mA 4,800mA 6,200mA
DEAD BAND WIDTH: 1usec 1usec 1usec
OPERATING TRAVEL: 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: 40x20x38mm(1.57x0.79x1.50in)
WEIGHT: 68g(2.40oz)
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
ULTRA HARDNESS GEAR SHAFT WITH 3 AXIAL METAL BUSHING
WATER & DUST RESISTANT
HEAT SINK FOR MOTOR

3. APPLICATIONS

LARGE AIR PLANE MODELS

HITEC RCD KOREA INC.