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: 0.17sec/60° NO LOAD 0.13sec/60° NO LOAD 0.11sec/60° NO LOAD
STALL TORQUE: 4.2kg.cm(58.65oz) 5.2kg.cm(72.21oz) 6.4kg.cm(88.88oz)
STANDING TORQUE: -
IDLE CURRENT: 30mA AT STOPPED 30mA AT STOPPED 30mA AT STOPPED
RUNNING CURRENT: 110mA 150mA 190mA
STALL CURRENT: 1,000mA 1,300mA 1,600mA
DEAD BAND WIDTH: 2usec 2usec 2usec
OPERATING TRAVEL: 40±5° ONE SIDE PULSE TRAVELING 400usec
DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
MOTOR TYPE: CORELESS METAL BRUSH
POTentiOMETER TYPE: MAGNETIC ROTARY ENCODER
AMPLIFIER TYPE: NUVOTON 32BIT MCU DIGITAL AMPLIFIER WITH MOSFET DRIVE
DIMENSIONS: 32.4x16.8x32.8mm(1.28x0.66x1.29in)
WEIGHT: 34g(1.2oz)
BALL BEARING: DUAL/MR106
GEAR MATERIAL: 1 METAL-PLASTIC & 3 METAL GEARS
HORN GEAR SPLINE: 25 SEGMENTS/Φ6.0
SPLENd GEARS: M-025
CONNECTOR WIRE LENGTH: 300mm(11.81in)
CONNECTOR WIRE STRAND COUNTER: 60EA
CONNECTOR WIRE GAUGE: 22AWG

2. FEATURES
PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE
1 METAL-PLASTIC & 3 PRECISION ALL METAL GEARS WITH DUAL BALL BEARING
HIGH RESPONSE CORELESS MOTOR

3. APPLICATIONS
SMALL AIR PLANE & HELICOPTER MODELS