GENERAL SPECIFICATION OF D625MW DIGITAL SUPER SPEED SERVO

1. TECHNICAL VALUES

- CONTROL SYSTEM: PULSE WIDTH CONTROL 1500usec NEUTRAL, 900~2100us/20ms FRAME
- OPERATING VOLTAGE RANGE: 4.8V TO 7.4V
- OPERATING TEMPERATURE RANGE: -20 TO +60°C (-4°F TO +140°F)
- TEST VOLTAGE: AT 4.8V, AT 6.0V, AT 7.4V
- OPERATING SPEED: 0.20sec/60°, 0.15sec/60°, 0.13sec/60°
- STALL TORQUE: 6.3kg.cm(87.452oz.in), 8.8kg.cm(122.20oz.in), 10.0kg.cm(138.87oz.in)
- STANDING TORQUE: -
- IDLE CURRENT: 30mA
- RUNNING CURRENT: 300mA, 400mA, 2150mA
- STALL CURRENT: 1700mA, 2650mA
- DEAD BAND WIDTH: 2usec
- OPERATING ANGLE: 40°/ONE SIDE PULSE TRAVELING 400usec
- DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
- MOTOR TYPE: 3-POLE MOTOR
- POTENTIOMETER TYPE: 4 SLIDER/1M CYCLE LONG LIFE/INDIRECT DRIVE
- AMPLIFIER TYPE: STM32 DIGITAL AMPLIFIER WITH MOSFET DRIVE
- DIMENSIONS: 40.6x19.8x37.8mm (1.59x0.77x1.48in)
- WEIGHT: 60g (2.11oz)
- BALL BEARING: DUAL/MR106
- GEAR MATERIAL: 3 Metal gears & 1 MP first gear
- HORN GEAR SPLINE: 25 SEGMENTS/Ø6.0
- CONNECTOR WIRE LENGTH: 300mm (11.81in)
- CONNECTOR WIRE STRAND COUNTER: 0.08X60EA
- CONNECTOR WIRE GAUGE: 20AWG

2. FEATURES

- DIGITAL & MOS FET AMP
- PROGRAMABLE
- GOLD PLATED CONTACTOR
- NARROW DEAD BAND WIDTH AND HIGH STANDING TORQUE

3. APPLICATIONS

- 30 SIZE HELICOPTERS
- GAS & ELECTRIC CARS
- BOATS

HITEC RCD KOREA INC.