GENERAL SPECIFICATION OF D646WP TORQUE TYPE WATER PROOF SERVO

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: 0.24sec/60° 0.19sec/60° 0.16sec/60°
   STALL TORQUE: 7.5kg.cm(104.72oz.in) 9.6kg.cm(134.05oz.in) 11.6kg.cm(161.98oz.in)
   STANDING TORQUE: -- -- --
   IDLE CURRENT: 30mA AT STOPPED 30mA AT STOPPED 30mA AT STOPPED
   RUNNING CURRENT: 270mA 300mA 330mA
   STALL CURRENT: 1500mA 1800mA 2200mA
   DEAD BAND WIDTH: 2usec
   OPERATING TRAVEL: 40±5°/ONE SIDE PULSE TRAVELING 400usec
   DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
   MOTOR TYPE: CORED CABON BRUSH
   POTENTIOMETER TYPE: 4 SLIDER/1M CYCLE LONG LIFE/INDIRECT DRIVE
   AMPLIFIER TYPE: NUVOTON 32BIT MCU DIGITAL AMPLIFIER WITH MOSFET DRIVE
   DIMENSIONS: 41.8x21.0x40.0mm(1.65x0.83x1.57in)
   WEIGHT: 61g(2.15oz)
   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: 22AWG
   Duration of the test in water: 30min

2. FEATURES
   IP67 WATER PROOF CASE
   DURABLE METAL GEARS WITH BALL BEARING
   PROGRAMABLE
   HEAVY DUTY SPLINED HORNS

3. APPLICATIONS
   GAS & ELECTRIC CARS
   BOATS