GENERAL SPECIFICATION OF HS-5065MG HIGH TORQUE DIGITAL FEATHER SERVO

1. TECHNICAL VALUE
   CONTROL SYSTEM: +PULSE WIDTH CONTROL 1500usec NEUTRAL
   OPERATING VOLTAGE RANGE: 4.8V TO 6.0V
   OPERATING TEMPERATURE RANGE: -20°C TO +60°C(-4°F TO +140°F)
   TEST VOLTAGE: AT 4.8V
   OPERATING SPEED: 0.14sec/60° AT NO LOAD
   STALL TORQUE: 1.8kg.cm(24.99oz.in)
   IDLE CURRENT: 3mA AT STOPPED
   RUNNING CURRENT: 180mA/60° AT NO LOAD
   STALL CURRENT: 960mA
   DEAD BAND WIDTH: 2°/sec
   OPERATING TRAVEL: 40°/ONE SIDE PULSE TRAVELING 400usec
   DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
   MOTOR TYPE: CORED METAL BRUSH/Nd MAGENT
   POTENTIOMETER TYPE: 2 SLIDER/DIRECT DRIVE
   DIMENSIONS: 23.6x11.6x24mm(0.92x0.45x0.94in)
   WEIGHT: 11.9g(0.42oz)
   BALL BEARING: SINGLE/MR85
   GEAR MATERIAL: 1 RESIN & 4 METAL GEARS
   HORN GEAR SPLINE: 25 SEGMENTS/#5
   SPLINED HORNS: MICRO23:M23-I, M23-X
   CONNECTOR WIRE LENGTH: 160mm(6.29in)
   CONNECTOR WIRE STRAND COUNTER: 20 EA
   CONNECTOR WIRE GAUGE: 28AWG

REFERENCE USE ONLY
AT 6.0V
0.11sec/60° AT NO LOAD
2.2kg.cm(30.55oz.in)
3mA AT STOPPED
220mA/60° AT NO LOAD
1200mA
2usec

2. FEATURES
   4 METAL GEARS WITH 1 BALL BEARING
   HIGH EFFICIENCY Nd MAGNET MOTOR

3. APPLICATIONS
   FAST PARK FLYING MODELS. ELECTRIC MICRO PLANE, MAV
   1/18 SCALE CARS

HITEC RCD KOREA INC.