GENERAL SPECIFICATION OF
HS-82MG METAL GEAR MICRO 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: 0.12sec/60° AT NO LOAD 0.10sec/60° AT NO LOAD
   STALL TORQUE: 2.8kg.cm(38.88oz.in) 3.4kg.cm(47.22oz.in)
   STANDING TORQUE: 2.2kg.cm(30.55oz.in)/5° HOLDOUT 2.7kg.cm(37.50oz.in)/5° HOLDOUT
   IDLE CURRENT: 10mA AT STOPPED 10mA AT STOPPED
   RUNNING CURRENT: 220mA/60° AT NO LOAD 280mA/60° AT NO LOAD
   STALL CURRENT: 1,450mA 1,800mA
   DEAD BAND WIDTH: 5usec 5usec
   OPERATING TRAVEL: 40°/ONE SIDE PULSE TRAVELING 400usec
   DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
   ROTATIONAL LIFE: 20,000cycle MIN/0.8kg.cm LOADED
   GEAR STRENGTH: 11kg.cm MIN
   MOTOR TYPE: CORED METAL BRUSH
   POTentiOMETER TYPE: 2 SLIDER/DIRECT DRIVE
   AMPLIFIER TYPE: ANALOG SMT
   DIMENSIONS: 29.8x12.0x29.6mm(1.17x0.47x1.16in)
   WEIGHT: 19.0g(0.66oz)
   BALL BEARING: NON
   GEAR MATERIAL: 4 METAL
   HORN GEAR SPLINE: 24 SEGMENTS/ø5.76
   SPLINED HORNS: MICRO/M-1, M-0, M-X
   CONNECTOR WIRE LENGTH: 250mm(9.84in)
   CONNECTOR WIRE STRAND COUNTER: 20 EA
   CONNECTOR WIRE GAUGE: 28AWG

2. FEATURES
   LOW WEIGHT METAL GEARS

3. APPLICATIONS
   SMALL PLANES
   GUIDERS
   ELECTRIC HELICOPTER
   1/18 SCALE CARS

HITEC RCD KOREA INC.