GENERAL SPECIFICATION OF
HS-5565MH LOW COST CORELESS DIGITAL SERVO

1. TECHNICAL VALUES
   CONTROL SYSTEM: 4PULSE WIDTH CONTROL 1500usec NEUTRAL
   OPERATING VOLTAGE RANGE: 6.0V TO 7.4V
   OPERATING TEMPERATURE RANGE: -20°C TO +60°C (-4°F TO +140°F)
   TEST VOLTAGE
   AT 6.0V: 0.09sec/60° NO LOAD
   AT 7.4V: 11kg.cm (152.7oz.in)
   STALL TORQUE
   14kg.cm (194.4oz.in)
   STANDING TORQUE: -
   IDLE CURRENT
   4mA AT STOPPED
   RUNNING CURRENT
   280mA/60° AT NO LOAD
   300mA AT NO LOAD
   STALL CURRENT
   2700mA
   DEAD BAND WIDTH
   2usec
   OPERATING TRAVEL
   40±5° ONE SIDE PULSE TRAVELING 400usec
   DIRECTION
   COUNTERWISE/PULSE TRAVELING 1500 TO 1900usec
   ROTATIONAL LIFE
   10,000cycle MIN/1.3kg.cm LOADED
   MOTOR TYPE
   CORELESS MEATL BRUSH
   POTENTIOMETER TYPE
   4 SLIDER/1M CYCLE LONG LIFE/INDIRECT DRIVE
   AMPLIFIER TYPE
   ATMEGA48 MCU DIGITAL AMPLIFIER WITH MOSFET DRIVE
   DIMENSIONS
   36.8x18.8x38.0mm (1.45x0.73x1.49in)
   WEIGHT
   59.0g
   BALL BEARING
   DUAL/MR106
   GEAR MATERIAL
   3 Metal gears & 1 MP first gear
   HORN GEAR SPLINE
   24 SEGMENTS/#5.76
   SPUNDED HORN
   REGULAR/R−C,R−D,R−I,R−O,R−X
   CONNECTOR WIRE LENGTH
   300mm (11.81in)
   CONNECTOR WIRE STRAND COUNTER
   40EA
   CONNECTOR WIRE GAUGE
   25AWG

HITEC RCD KOREA,INC.