GENERAL SPECIFICATION OF
HS-5585MH LOW COST CORELESS DIGITAL SERVO

1. TECHNICAL VALUES
CONTROL SYSTEM: PULSE WIDTH CONTROL 1500µsec 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 AT 7.4V
OPERATING SPEED: 0.17sec/60° NO LOAD 0.14sec/60° NO LOAD
STALL TORQUE: 14kg.cm(194.6oz.in) 17kg.cm(236.3oz.in)
STANDING TORQUE: -
IDLE CURRENT: 4mA AT STOPPED 4mA AT STOPPED
RUNNING CURRENT: 260mA/60° AT NO LOAD 300mA/60° AT NO LOAD
STALL CURRENT: 2100mA 2700mA
DEAD BAND WIDTH: 2µsec 2µsec
OPERATING TRAVEL: 40°±5°/ONE SIDE PULSE TRAVELING 400usec
DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
ROTATIONAL LIFE: 10,000cycle MIN/3.4kg.cm LOADED
MOTOR TYPE: CORELESS METAL BRUSH
POTENTIOMETER TYPE: 4 SLIDER/1M CYCLE LONG LIFE/DIRECT DRIVE
AMPLIFIER TYPE: ATMEGA48 MCU DIGITAL AMPLIFIER WITH MOSFET DRIVE
DIMENSIONS: 39.8x19.8x38.0mm(1.57x0.78x1.49in)
WEIGHT: 59.0g
BALL BEARING: DUAL/MR106
GEAR MATERIAL: 3 METAL GEARS & 1 MPG
HORN GEAR SPLINE: 24 SEGMENTS/#5.76
SPLINED HORNS: 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.