GENERAL SPECIFICATION OF
HS-755HB QUARTER SCALE 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 AT 6.0V
OPERATING SPEED: 0.28sec/60° AT NO LOAD 0.23sec/60° NO LOAD
STALL TORQUE: 11kg.cm (152.75oz.in) 13.2kg.cm (183.31oz.in)
STANDING TORQUE: 8.8kg.cm (122.20oz.in) /5° HOLD OUT 10.5kg.cm (145.81oz.in) /5° HOLD OUT
IDLE CURRENT: 8mA AT STOPPED 8mA AT STOPPED
RUNNING CURRENT: 230mA/60° AT NO LOAD RUNNING 250mA/60° AT NO LOAD RUNNING
STALL CURRENT: 1500mA 1800mA
DEAD BAND WIDTH: 5usec 5usec
OPERATING TRAVEL: 40°/ONE SIDE PULSE TRAVELING 400usec
DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
MOTOR TYPE: CORED/METAL BRUSH
POTENTIOMETER TYPE: 6 SLIDER/INDIRECT DRIVE
AMPLIFIER TYPE: ANALOG AMPLIFIER
DIMENSIONS: 59x29x50mm (2.32x1.14x1.96in)
WEIGHT: 97.5g (3.43oz)
BALL BEARING: DUAL/MR106
GEAR MATERIAL: HEAVY DUTY RESIN
HORN GEAR SPLINE: 24 SEGMENTS/8.576
SPLINED HORNS: HEAVY DUTY/HD-IS, HD-O, HD-LS, HD-IL, HD-LL
CONNECTOR WIRE LENGTH: 300mm (11.81in)
CONNECTOR WIRE STRAND COUNTER: 60EA
CONNECTOR WIRE GAUGE: 22AWG

2. FEATURES
DURABLE HEAVY DUTY RESIN GEARS WITH BALL BEARINGS
WATER & DUST TIGHT

3. APPLICATIONS
FOR LARGE MODELS

HITEC RCD KOREA INC.