ANNOUNCED SPECIFICATION OF
HS-7954SH HIGH VOLTAGE DIGITAL SERVO

1. TECHNICAL VALUE
CONTROL SYSTEM: +PULSE 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 AT 7.4V
OPERATING SPEED: 0.15sec/60° AT NO LOAD 0.12sec/60° AT NO LOAD
STALL TORQUE: 24.0kg.cm(333.29oz.in) 29.0kg.cm(402.73oz.in)
STANDING TORQUE: -
- IDLE CURRENT: 8mA AT STOPPED 10mA AT STOPPED
RUNNING CURRENT: 300mA/NO LOAD RUNNING 360mA/NO LOAD RUNNING
STALL CURRENT: 4,200mA 5,200mA
DEAD BAND WIDTH: 2usec 2usec
OPERATING TRAVEL: 40±5°/ONE SIDE PULSE TRAVELING 400usec
DIRECTION: CLOCKWISE/PULSE TRAVELING 1500 TO 1900usec
MOTOR TYPE: CORELESS METAL BRUSH
POTentiOMETER TYPE: 6 SLIDER/INDIRECT DRIVE
AMPLIFIER TYPE: DIGITAL AMPLIFIER WITH MOSFET DRIVE
DIMENSIONS: 40x20x37mm(1.57x0.78x1.45in)
WEIGHT: 68.0g(2.40oz)
BALL BEARING: DUAL/MR106
GEAR MATERIAL: 1 METAL-PLASTIC & 3 STEEL GEARS
HORN GEAR SPLINE: 24 SEGMENTS/#5.76
SPLINED HORMS: HEAVY DUTY/HD-IS, HD-O, HD-LS, HD-IL, HD-LL
CONNECTOR WIRE LENGTH: 300mm(11.81in)
CONNECTOR WIRE STRAND COUNTER: 80EA
CONNECTOR WIRE GAUGE: 20AWG

2. FEATURES
V2.0 PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE
DURABLE STEEL GEARS WITH DUAL BALL BEARING
ULTRA HARDNESS SHAFT WITH 3 AXIAL METAL BUSHING
WATER & DUST RESISTANCE
HEAT SINK FOR MOTOR

3. APPLICATIONS
LARGE AIR PLANE MODELS

HITEC RCD KOREA INC.