GENERAL SPECIFICATION OF
HS-1100WP(NFB) HIGH VOLTAGE TORQUE GIANT SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM: +PULSE WIDTH CONTROL 1500usec NEUTRAL
OPERATING VOLTAGE RANGE: 12.0V TO 15.0V
OPERATING TEMPERATURE RANGE: -20°C TO +60°C (-4’F TO +140’F)
TEST VOLTAGE: AT 11.1V
OPERATING SPEED: 0.26sec/60° AT NO LOAD 0.19sec/60° NO LOAD
STALL TORQUE: 84.0kg.cm (1166.52oz.in) 110.0kg.cm (1527.58oz.in)
STANDING TORQUE:
IDLE CURRENT:
RUNNING CURRENT: 1100mA AT NO LOAD RUNNING 1300mA AT NO LOAD RUNNING
STALL CURRENT: 5500mA 6500mA
DEAD BAND WIDTH:
INPUT SIGNAL:
OPERATING TRAVEL:
DIRECTION:
OPERATING LIFE: 50,000cycles Min/14.0kg.cm LOADED
MOTOR TYPE:
POTIOMETER TYPE:
AMPLIFIER TYPE:
DIMENSIONS:
WEIGHT:
BALL BEARING:
GEAR MATERIAL:
HORN GEAR SPLINE:
SPHINDED HORN:
CONNECTOR WIRE LENGTH:
CONNECTOR WIRE GAUGE:
To receiver

POWER

To receiver

To receiver

POWER

Duration of the test in water: 1M / 30min (IP67)

2. FEATURES

HIGH RESPONSENCE DIGITAL AMPLIFIER WITH MOSFET DRIVE
1M CYCLE LONG LIFE POTENTIOMETER
DURABLE CHROMATE PLATED ALUMINUM CASE & STEEL GEARS WITH QUAD BALL BEARING
WATER & DUST RESISTANCE (IP67)

3. APPLICATIONS

INDUSTRY, UAV, ROBOTICS & SPECIAL EFFECTS

HITEC RCD KOREA INC.