GENERAL SPECIFICATION OF
MD845MW HIGH VOLTAGE SPEED 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 6.0V AT 7.4V
   OPERATING SPEED: 0.14sec/60° AT NO LOAD 0.11sec/60° NO LOAD
   STALL TORQUE: 24.0kg.cm (333.29oz.in) 30.0kg.cm (416.61oz.in)
   STANDING TORQUE: -
   IDLE CURRENT: 90mA AT STOPPED 130mA AT STOPPED
   RUNNING CURRENT: 1100mA AT NO LOAD RUNNING 1300mA AT NO LOAD RUNNING
   STALL CURRENT: 5500mA 6500mA
   DEAD BAND WIDTH: 2usec 2usec
   INPUT SIGNAL: +5.0V 1500usec ±400usec (±600usec WITH TRIM)
   OPERATING TRAVEL: 40°/ONE SIDE PULSE TRAVELING 400usec
   DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
   OPERATING LIFE: 50,000cycles Min.10.0kg.cm LOADED
   MOTOR TYPE: CORED CARBON BRUSHES, 5 POLES
   POTENTIOMETER TYPE: 3 SLIDER, 1M cycle/SEMI INDIRECT DRIVE
   AMPLIFIER TYPE: DIGITAL AMPLIFIER WITH MOSFET DRIVE
   DIMENSIONS: 66.2x32.0x65.0mm (2.60x1.259x2.56in)
   WEIGHT: 220g (7.76oz)
   BALL BEARING: TWO MR148
   GEAR MATERIAL: ONE METAL–KARBONITE, 4 STEEL
   HORN GEAR SPLINE: SQUARE 6.5x6.5
   SPLINED HORNS: 0-MIA, Q-XA & QA
   CONNECTOR WIRE LENGTH: 1000mm (39.37in)
   Duration of the test in water: 60min (IP68)

2. FEATURES
   HIGH RESPONDENCE DIGITAL AMPLIFIER WITH MOSFET DRIVE
   1M CYCLE LONG LIFE POTENTIOMETER
   WATER & DUST RESISTANCE

3. APPLICATIONS
   AIRPLANE, GASOLIN CAR, INDUSTRY, UAV, ROBOTICS & SPECIAL EFFECTS

HITEC RCD KOREA INC.