GENERAL SPECIFICATION OF MD485HW WIDE VOLTAGE SERVO

1. TECHNICAL VALUES

- CONTROL SYSTEM: +PULSE WIDTH CONTROL 1500usec NEUTRAL
- OPERATING VOLTAGE RANGE: 3.5V TO 8.4V
- OPERATING TEMPERATURE RANGE: -20°C TO +60°C (-4°F TO +140°F)
- TEST VOLTAGE: AT 4.8V AT 6.0V AT 7.4V
- OPERATING SPEED: 0.20sec/60°, 0.17sec, 0.15sec/60°
- STALL TORQUE: 4.8kg.cm, 6.0kg.cm, 7.4kg.cm
- IDLE CURRENT: 30mA, 30mA, 30mA
- RUNNING CURRENT: 250mA, 280mA, 320mA
- STALL CURRENT: 1000mA, 1200mA, 1500mA
- DEAD BAND WIDTH: 2usec, 2usec, 2usec
- OPERATING TRAVEL: 40°/ONE SIDE PULSE TRAVELING 400usec
- DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
- MOTOR TYPE: CARBON BRUSH
- POTENTIOMETER TYPE: MAGNETIC ROTARY ENCODER
- AMPLIFIER TYPE: DIGITAL PROGRAMMABLE AMPLIFIER WITH MOSFET DRIVE
- DIMENSIONS: 39.8x19.8x38.0mm (1.57x0.78x1.49in)
- WEIGHT: 2.9±5%
- BALL BEARING: TOP/MR106
- GEAR MATERIAL: KARBONITE RESIN
- HORN GEAR SPLINE: 25 SEGMENTS/φ6
- SPLINED HORNS: R-X25, R-125, HD-IM25
- CONNECTOR WIRE LENGTH: 300mm (11.81in)
- CONNECTOR WIRE STRAND COUNTER: 40EA
- CONNECTOR WIRE GAUGE: 25AWG

2. FEATURES

- STANDARD SIZED HIGH VOLTAGE SERVO
- PROGRAMMABLE DIGITAL
- HEAVY DUTY METAL GEARS

3. APPLICATIONS

- POPULAR MODELS

HITEC RCD KOREA, INC.