GENERAL SPECIFICATION OF
D845WP DIGITAL MEGA SCALE MONSTER TORQUE SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM: +Pulse width control 1500 usec Neutral
OPERATING VOLTAGE RANGE: 4.8V TO 7.4V
OPERATING TEMPERATURE RANGE: -20°C TO +60°C (-4°F TO +140°F)
TEST VOLTAGE: AT 4.8V AT 6.0V
OPERATING SPEED: 0.26 sec/60° 0.21 sec/60° 0.17 sec/60°
STALL TORQUE: 32.5 kg.cm (453.82 oz.in) 40.5 kg.cm (565.53 oz.in) 50.0 kg.cm (698.19 oz.in)
STANDING TORQUE: -
IDLE CURRENT: 30 mA AT STOPPED 30 mA AT STOPPED 30 mA AT STOPPED
RUNNING CURRENT: 1.100 mA 1.250 mA 1.600 mA
STALL CURRENT: 6.000 mA 7.000 mA 10.000 mA
DEAD BAND WIDTH: 2 usec 2 usec
INPUT SIGNAL: +5.0V 1500 usec ±400 usec (±600 usec WITH TRIM)
OPERATING TRAVEL: ±40°/ONE SIDE PULSE TRAVELING 400 usec
DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900 usec
OPERATING LIFE: -
MOTOR TYPE: CORED CARBON BRUSHES, 5 POLES
POTENTIOMETER TYPE: INDIRECT DRIVE/ 1M CYCLE LONG LIFE
AMPLIFIER TYPE: DIGITAL AMPLIFIER WITH MOSFET DRIVE
DIMENSIONS: 66.0 x 32.0 x 62.0 mm (2.59 x 1.259 x 2.44 in)
WEIGHT: 227 g (8.00 oz)
BALL BEARING: TWO MR148
GEAR MATERIAL: ONE METAL—KARBONITE, 4 STEEL
HORN GEAR SPLINE: 13 SEGMENT / Ø7.7
SPLINED HORNS: 1 Metal & 2 Resins (Q—MIA, Q—XA & QIA)
CONNECTOR WIRE LENGTH: 300 mm (11.81 in)
Duration of the test in water: 1M / 30min (IP67)

2. FEATURES

PROGRAMMABLE HIGH RESPONSE DIGITAL AMPLIFIER WITH MOSFET DRIVE
DURABLE STEEL GEARS WITH DUAL BALL BEARING
WATER & DUST RESISTANCE (IP67)
HEAT SINK FOR MOTOR

3. APPLICATIONS

AIRPLANE, GASOLIN CAR, INDUSTRY, UAV, ROBOTICS & SPECIAL EFFECTS

HITEC RCD KOREA INC.