GENERAL SPECIFICATION OF
D145SW SLIM WING SERVO

1. TECHNICAL VALUE
CONTROL SYSTEM: +PULSE WIDTH CONTROL 1500usec 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 AT 7.4V
OPERATING SPEED: 0.21sec/60° 0.17sec/60° 0.14sec/60°
STALL TORQUE: 3.9kg.cm (54.459oz.in) 4.9kg.cm (68.422oz.in) 6.0kg.cm (83.783oz.in)
STANDING TORQUE: — — —
IDLE CURRENT: 30mA AT STOPPED 30mA AT STOPPED 30mA AT STOPPED
RUNNING CURRENT: 120mA 150mA 180mA
STALL CURRENT: 1,600mA (MAX) 2,000mA (MAX) 2,500mA (MAX)
DEAD BAND WIDTH: 2usec 2usec 2usec
OPERATING TRAVEL: ±45°/ONE SIDE PULSE TRAVELING 400usec
DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
MOTOR TYPE: 3 POLES CARBON BRUSH
POTENTIOMETER TYPE: 2 SLIDER/500K CYCLE LONG LIFE/DIRECT DRIVE
AMPLIFIER TYPE: DIGITAL AMPLIFIER WITH MOSFET DRIVE
DIMENSIONS: 30.0x10.0x37.0mm (1.18x0.39x1.45in)
WEIGHT: 24.0g (0.84oz)
BALL BEARING: DUAL BALL BEARING
GEAR MATERIAL: 1 METAL−PLASTIC & 4 STEEL GEARS
HORN GEAR SPLINE: 25 SEGMENTS/⌀5.0
SPLINED HORNS: MS−L25 / MS−ML25
SERVO MOUNTING: ONLY D145SW TRAY SET
CONNECTOR WIRE LENGTH: FLAT TYPE/300mm (11.81in)
CONNECTOR WIRE STRAND COUNTER: 40EA
CONNECTOR WIRE GAUGE: 22AWG

2. FEATURES
DURABLE STEEL GEARS WITH DUAL BALL BEARING
ULTRA SLIM SIZED

3. APPLICATIONS
GLIDER WING

HITEC RCD KOREA INC.