GENERAL SPECIFICATION OF
HS-45HB KARBONITE GEAR FEATHER SERVO

1. TECHNICAL VALUE
CONTROL SYSTEM : PULSE WIDTH CONTROL 1500usec NEUTRAL
OPERATING VOLTAGE RANGE : 4.8V
OPERATING TEMPERATURE RANGE : -20°C TO +60°C (-4°F TO +140°F)
TEST_VOLTAGE : AT 4.8V
OPERATING_SPEED : 0.14sec/60° AT NO LOAD
STALL_VOLTAGE : 0.12sec/60° AT NO LOAD
STALL_TORQUE : 1.0kg.cm (13.88oz.in)
STALL_VOLTAGE : 1.2kg.cm (16.65oz.in)
IDLE_CURRENT : 8mA AT STOPPED
RUNNING_CURRENT : 100mA/60° AT NO LOAD
STALL_CURRENT : 440mA
DEAD_BAND_WIDTH : 5usec
OPERATING_TRAVEL : 40°/ONE SIDE PULSE TRAVELING 400usec
DIRECTION : CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
ROTATIONAL_LIFE : 20,000cycle MIN/0.3kg.cm LOADED
GEAR_STRENGTH : 3.0kg.cm (41.66oz.in) MIN
MOTOR_TYPE : CORED METAL BRUSH
POTENTIOMETER_TYPE : 2 SLIDER/DIRECT DRIVE
AMPLIFIER_TYPE : ANALOG SMT
DIMENSIONS : 23.6x9.8x22.4mm (0.92x0.38x0.88in)
WEIGHT : 8g (0.28oz)
BALL_BEARING : SINGLE/MR74
GEAR_MATERIAL : KARBONITE RESIN
HORN GEAR SPLINE : 15 SEGMENTS/#4
SPUNNED_HORNS : FEATHER/FS-X, FS-IS, FS-IL, FS-IXL
CONNECTOR_WIRE_LENGTH : 250mm (9.84in)
CONNECTOR_WIRE_STRAND_COUNTER : 20 EA
CONNECTOR_WIRE GAUGE : 28AWG

2. FEATURES
HIGH IMPACT GEARS WITH ONE BALL BEARING
SLIM SIZE CASE WITH 2mm THICK MOUNT SUPPORT

3. APPLICATIONS
FAST PARK FLYING MODELS. ELECTRIC MICRO PLANE, MAV

HITEC RCD KOREA INC.