GENERAL SPECIFICATION OF
HS-65MG HIGH TORQUE METAL FEATHER SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM: +PULSE WIDTH CONTROL 1500usec NEUTRAL
OPERATING VOLTAGE RANGE: 4.8V TO 6.0V
OPERATING TEMPERATURE RANGE: -20°C TO +60°C(-4°F TO +140°F)
TEST VOLTAGE: AT 4.8V AT 6.0V/REFERENCE USE ONLY
OPERATING SPEED: 0.14sec/60° AT NO LOAD
STALL TORQUE: 1.8kg.cm(24.99oz.in)
STANDING TORQUE: 1.4kg.cm(19.44oz.in) / 5° HOLDOUT 1.8kg.cm(24.99oz.in) / 5° HOLDOUT
IDLE CURRENT: 8mA AT STOPPED
RUNNING CURRENT: 180mA/60° AT NO LOAD
STALL CURRENT: 960mA
DEAD BAND WIDTH: 5usec
OPERATING TRAVEL: 40°/ONE SIDE PULSE TRAVELING 400usec
DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
MOTOR TYPE: CORED METAL BRUSH/Nd MAGNET
POTentiOMETER TYPE: 2 SLIDER/DIRECT DRIVE
AMPLIFIER TYPE: ANALOG S.M.T
DIMENSIONS: 23.6x11.6x24mm(0.92x0.45x0.94in)
WEIGHT: 11.9g(0.42oz)
BALL BEARING: SINGLE/MRB5
GEAR MATERIAL: 1 RESIN & 4 METAL GEARS
HORN GEAR SPLINE: 25 SEGMENTS/Ø5
SPLOINED HORN: MICRO23:M23-1, M23-X
CONNECTOR WIRE LENGTH: 160mm(6.29in)
CONNECTOR WIRE STRAND COUNTER: 20 EA
CONNECTOR WIRE GAUGE: 28AWG

2. FEATURES
4 METAL GEARS WITH 1 BALL BEARING
HIGH EFFICIENCY Nd MAGNET MOTOR

3. APPLICATIONS
FAST PARK FLYING MODELS, ELECTRIC MICRO PLANE, MAV
1/18 SCALE CARS

HITEC RCD KOREA INC.