GENERAL SPECIFICATION OF
HS-70MG 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: 0.17sec/60° AT NO LOAD 0.14sec/60° AT NO LOAD
STALL TORQUE: 2.4kg.cm (33.51oz.in) 3.0kg.cm (41.89oz.in)
STANDING TORQUE: -
IDLE CURRENT: 0.8mA AT STOPPED 8mA AT STOPPED
RUNNING CURRENT: 140mA/60° AT NO LOAD 160mA/60° AT NO LOAD
STALL CURRENT: 1250mA
DEAD BAND WIDTH: 5sec
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: 23.6x11.6x29mm (0.92x0.45x1.14in)
WEIGHT: 12.7g (0.44oz)
BALL BEARING: SINGLE/MR85
GEAR MATERIAL: 1 RESIN & 4 METAL GEARS
HORN GEAR SPLINE: 25 SEGMENTS/Ø5
SPLINED HОРNS: MICRO23: M23-I, 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.