GENERAL SPECIFICATION OF
MD85MG MAGNETIC ENCODER DIGITAL MICRO SERVO

1. TECHNICAL VALUE
CONTROL SYSTEM: +PULSE WIDTH CONTROL 1500usec NEUTRAL
OPERATING VOLTAGE RANGE: 4.8V TO 6.0V
OPERATING TEMPERATURE RANGE: -20° TO +60° (-4°F TO +140°F)
TEST VOLTAGE: AT 4.8V AT 6.0V
OPERATING SPEED: 0.17sec/60° AT NO LOAD 0.13sec/60° AT NO LOAD
STALL TORQUE: *3.6kg.cm(50.0oz.in) *4.3kg.cm(59.71oz.in)
STANDING TORQUE: --
IDLE CURRENT: --mA AT STOPPED --mA AT STOPPED
RUNNING CURRENT: ---mA/60° AT NO LOAD RUNNING ---mA/60° AT NO LOAD RUNNING
STALL CURRENT: 1,500mA 1,800mA
DEAD BAND WIDTH: 2usec
OPERATING TRAVEL: 40°/ONE SIDE PULSE TRAVELING 400usec
DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
MOTOR TYPE: DC CARBON BRUSH
POTENTIOMETER TYPE: MAGNETIC ROTARY ENCODER
AMPLIFIER TYPE: DIGITAL AMPLIFIER & MOSFET DRIVER
DIMENSIONS: 29x13x30mm(1.14x0.51x1.18in)
WEIGHT: 25.0g(0.88oz)
BALL BEARING: SINGLE/MR106
GEAR MATERIAL: 5 METALS
HORN GEAR SPINE: 24 SEGMENTS/#5.76
SPLEND HORN: MICRO/M-I, M-O, M-X
CONNECTOR WIRE LENGTH: 250mm(9.84in)
CONNECTOR WIRE STRAND COUNTER: 20EA
CONNECTOR WIRE GAUGE: 28AWG

2. FEATURES

3. APPLICATIONS
FOR SMALL MODELS

HITEC RCD KOREA INC.