ANNOUNCE SPECIFICATION OF
D85MG 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° 0.13sec/60°
STALL TORQUE: 3.6kg.cm(50.27oz.in) 4.3kg.cm(60.04oz.in)
STANDING TORQUE: - -
IDLE CURRENT: 30mA AT STOPPED 30mA AT STOPPED
RUNNING CURRENT: 230mA/60° 290mA/60°
STALL CURRENT: 1,200mA 1,400mA
DEAD BAND WIDTH: 2usec 2usec
OPERATING TRAVEL: 40°/ONE SIDE PULSE TRAVELING 400usec
DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
MOTOR TYPE: CORED METAL BRUSH
POTENTIOMETER TYPE: 1M CYCLE LONG LIFE/INDIRECT DRIVE
AMPLIFIER TYPE: DIGITAL AMPLIFIER & MOSFET DRIVER
DIMENSIONS: 29x13x30mm(1.14x0.51x1.18in)
WEIGHT: 24g
BALL BEARING: SINGLE/MR106
GEAR MATERIAL: 5 METALS
HORN GEAR SPLINE: 24 SEGMENTS/Ø5.76
SPLINED 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.