GENERAL SPECIFICATION OF D955CR STANDARD SIZE CORELESS SPEED TYPE SERVO

1. TECHNICAL VALUE
   CONTROL SYSTEM: +PULSE WIDTH CONTROL 900~2100us, 1500us NEUTRAL
   OPERATING VOLTAGE RANGE: +4.8V TO 7.4V
   OPERATING TEMPERATURE RANGE: 0°C TO +60°C (-4°F TO +140°F)
   TEST VOLTAGE: AT 4.8V
   OPERATING SPEED: 5.3rpm±10%(0.19sec/60°) 6.7rpm±10%(0.15sec/60°) 8.3rpm±10%(0.12sec/60°)
   STALL TORQUE: 16.0kg.cm(222oz.in) 20.0kg.cm(278oz.in) 24.5kg.cm(340oz.in)
   STANDING TORQUE: ---
   IDLE CURRENT: 20mA 20mA 20mA
   RUNNING CURRENT: 300mA 400mA 500mA
   STALL CURRENT: 3,200mA 4,200mA 5,200mA
   DEAD BAND WIDTH: 1us 1us 1us
   OPERATING TRAVEL: CONTINUE ROTATION
   DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
   NEUTRAL POSITION: 1500usec +/- 50usec
   FULL SPEED POSITION: 1000usec/2000usec
   MOTOR TYPE: CORELESS METAL BRUSH
   POTENTIOMETER TYPE: NON
   AMPLIFIER TYPE: 32BIT MCU DIGITAL AMPLIFIER WITH MOSFET DRIVE
   DIMENSIONS: 40x20x37mm (1.57x0.78x1.45in)
   WEIGHT: 63.9g (2.25oz)
   BALL BEARING: DUAL/MR106
   GEAR MATERIAL: METAL–PLASTIC & 3 STEEL GEARs
   HORN GEAR SPLINE: 25 SEGMENTS/Ø6.00
   CONNECTOR WIRE LENGTH: 300mm (11.81in)
   CONNECTOR WIRE STRAND COUNTER: 80EA
   CONNECTOR WIRE GAUGE: 20AWG

2. FEATURES
   PROGRAMMABLE HIGH RESPONSE DUAL MOTOR WITH MOSFET DRIVE
   DURABLE STEEL GEARS WITH DUAL BALL BEARING
   ULTRA HARDNESS SHAFT WITH 3 AXIAL METAL BUSHING
   WATER & DUST RESISTANCE
   HEAT SINK FOR MOTOR
   360° ROTATION

3. APPLICATIONS
   ROBOTICS

HITEC RCD KOREA INC.