ANNOUNCE SPECIFICATION OF D7954SW STANDARD CORELESS MIGHTY TORQUE SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM: +PULSE WIDTH CONTROL 900~2100us, 1500us NEUTRAL
OPERATING VOLTAGE RANGE: 4.7V TO 7.4V
OPERATING TEMPERATURE RANGE: -20° C TO +60° C (-4° F TO +140° F)
TEST VOLTAGE: AT 4.8V AT 6.0V AT 7.4V
OPERATING SPEED: 0.19sec/60° AT NO LOAD 0.15sec/60° AT NO LOAD 0.12sec/60° AT NO LOAD
STALL TORQUE: 18.0kg.cm (251.35oz.in) 24.0kg.cm (335.13oz.in) 29.0kg.cm (404.95oz.in)
STANDING TORQUE: - - -
IDLE CURRENT: 30mA AT STOPPED 30mA AT STOPPED 30mA AT STOPPED
RUNNING CURRENT: 300mA 400mA 500mA
STALL CURRENT: 3,200mA 4,200mA 5,200mA
DEAD BAND WIDTH: 1us 1us 1us
OPERATING TRAVEL: 40±5° /ONE SIDE PULSE TRAVELING 400usec
DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
MOTOR TYPE: CORELESS METAL BRUSH
POTENTIOMETER TYPE: 1M CYCLE LONG LIFE/INDIRECT DRIVE
AMPLIFIER TYPE: DIGITAL AMPLIFIER WITH MOSFET DRIVE
DIMENSIONS: 40x20x37mm (1.57x0.78x1.45in)
WEIGHT: 66.0g (2.32oz)
BALL BEARING: DUAL/MR106
GEAR MATERIAL: 1 METAL-PLASTIC & 3 STEEL GEARS
HORN GEAR SPLINE: 25 SEGMENTS/Ø6.00
SPLED HORNS: HD-IM25 (F TYPE)
CONNECTOR WIRE LENGTH: 300mm (11.81in)
CONNECTOR WIRE STRAND COUNTER: 80EA
CONNECTOR WIRE GAUGE: 20AWG

2. FEATURES

PROGRAMMABLE HIGH RESPONSE DIGITAL AMPLIFIER 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

3. APPLICATIONS
FOR 1/10 EP OFF ROAD AND ON LOAD

HITEC RCD KOREA INC.