

DSW311HB

◆TECHNICAL DATA

CONTROL SYSTEM	: PULSE WIDTH CONTROL
OPERATING VOLTAGE	: 4.8V ONLY
OPERATING TRAVEL	: 30°/ ONE SIDE PULSE TRAVELING 370usec
DIRECTION	: COUNTERCLOCKWISE/ PULSE TRAVELING 1500 TO 1870
TEST VOLTAGE	: <u>AT 4.8V</u>
OPERATING SPEED	: 0.07sec/60°
DYNAMIC TORQUE	: 1.0Kg.cm(13.9oz.in)
DEAD BAND WIDTH	: 2us

◆FEATURES

AMPLIFIER TYPE	: DIGITAL PULSE WIDTH CONTROLLER & FET DRIVER
LONG LIFE POTENTIOMETER	: 500,000 cycles
MOTOR TYPE	: METAL BRUSH 3POLE MOTOR
TOP BALL BEARING	: BALL BEARING
GEAR MATERIAL	: ALL HEAVY DUTY CARBONITE GEARS
HORN GEAR SPLINE	: 15 SEGMENTS/ Ø3.96(FUTABA TYPE)
SPLINED HORNS	: 4 CLASS
CONNECTOR WIRE LENGTH	: 150mm(5.91in)
CONNECTOR WIRE STRAND COUNTER	: 0.12mmx7EA

◆DIMENSIONS

SIZE	: 23.0x11.4x25.1mm(0.91x0.45x0.99in)
WEIGHT	: 10g(0.35oz)

DSW312MG

◆TECHNICAL DATA

CONTROL SYSTEM	: PULSE WIDTH CONTROL
OPERATING VOLTAGE	: 4.8V~6.0V
OPERATING TRAVEL	: 30°/ ONE SIDE PULSE TRAVELING 370usec
DIRECTION	: COUNTERCLOCKWISE/ PULSE TRAVELING 1500 TO 1870
TEST VOLTAGE	: <u>AT 4.8V</u> AT 6.0V
OPERATING SPEED	: 0.14sec/60° 0.11sec/60°
DYNAMIC TORQUE	: 2.0Kg.cm(27.8oz.in) : 2.5Kg.cm(34.7oz.in)
DEAD BAND WIDTH	: 2us

◆FEATURES

AMPLIFIER TYPE	: DIGITAL PULSE WIDTH CONTROLLER & FET DRIVER
LONG LIFE POTENTIOMETER	: 500,000 cycles
MOTOR TYPE	: METAL BRUSH 3POLE MOTOR
TOP BALL BEARING	: BALL BEARING
GEAR MATERIAL	: 1st carbonite gear & METAL GEARS
HORN GEAR SPLINE	: 15 SEGMENTS/ Ø3.96(FUTABA TYPE)
SPLINED HORNS	: 4 CLASS
CONNECTOR WIRE LENGTH	: 150mm(5.91in)
CONNECTOR WIRE STRAND COUNTER	: 0.12mmx7EA

◆DIMENSIONS

SIZE	: 23.0x11.4x25.1mm(0.91x0.45x0.99in)
WEIGHT	: 10.7g(0.38oz)

DSW414MG

◆TECHNICAL DATA

CONTROL SYSTEM	: PULSE WIDTH CONTROL
OPERATING VOLTAGE	: 4.8V ~ 6.0V
OPERATING TRAVEL	: 30°/ ONE SIDE PULSE TRAVELING 370usec
DIRECTION	: COUNTERCLOCKWISE/ PULSE TRAVELING 1500 TO 1870
TEST VOLTAGE	: <u>AT 4.8V</u> <u>AT 6.0V</u>
OPERATING SPEED	: 0.22s/60° 0.18s/60°
DYNAMIC TORQUE	: 4.0Kg.cm(55.5oz.in) 4.7Kg.cm(65.3oz.in)
DEAD BAND WIDTH	: 2us

◆FEATURES

AMPLIFIER TYPE	: DIGITAL PULSE WIDTH CONTROLLER & FET DRIVER
LONG LIFE POTENTIOMETER	: 500,000 cycles
MOTOR TYPE	: COLED METAL BRUSH 3POLE MOTOR
TOP BALL BEARING	: BALL BEARING
GEAR MATERIAL	: 1st HEAVY DUTY CARBONITE GEAR & METAL GEARS
HORN GEAR SPLINE	: 25 SEGMENTS/ Ø5.96(FUTABA TYPE)
SPLINED HORNS	: 4 CLASS
CONNECTOR WIRE LENGTH	: 300mm(10.63in)
CONNECTOR WIRE STRAND COUNTER	: 0.08mmx30EA

◆DIMENSIONS

SIZE	: 30.0x13.0x31.5mm(1.18x0.51x1.24in)
WEIGHT	: 20.8g(0.73oz)

DSW416MG

◆ TECHNICAL DATA

CONTROL SYSTEM	: PULSE WIDTH CONTROL
OPERATING VOLTAGE	: 4.8V ~ 6.0V
OPERATING TRAVEL	: 30°/ ONE SIDE PULSE TRAVELING 370usec
DIRECTION	: COUNTERCLOCKWISE/ PULSE TRAVELING 1500 TO 1870
TEST VOLTAGE	: <u>AT 4.8V</u> <u>AT 6.0V</u>
OPERATING SPEED	: 0.07s/60° 0.06s/60°
DYNAMIC TORQUE	: 2.4Kg.cm(33.3oz.in) 3.6Kg.cm(45.8oz.in)
DEAD BAND WIDTH	: 2us

◆ FEATURES

AMPLIFIER TYPE	: DIGITAL PULSE WIDTH CONTROLLER & FET DRIVER
LONG LIFE POTENTIOMETER	: 500,000 cycles
MOTOR TYPE	: CORELESS MOTOR
TOP BALL BEARING	: BALL BEARING
GEAR MATERIAL	: 1st HEAVY DUTY CARBONITE GEAR & METAL GEARS
HORN GEAR SPLINE	: 25 SEGMENTS/ Ø5.96(FUTABA TYPE)
SPLINED HORNS	: 4 CLASS
CONNECTOR WIRE LENGTH	: 300mm(10.63in)
CONNECTOR WIRE STRAND COUNTER	: 0.08mmx30EA

◆ DIMENSIONS

SIZE	: 30.0x13.0x33.3mm(1.18x0.51x1.31in)
WEIGHT	: 24.8g(0.87oz)

DSW613MG

◆ TECHNICAL DATA

CONTROL SYSTEM	: PULSE WIDTH CONTROL
OPERATING VOLTAGE	: 4.8V ~ 6.0V
OPERATING TRAVEL	: 30°/ ONE SIDE PULSE TRAVELING 323usec
DIRECTION	: COUNTERCLOCKWISE/ PULSE TRAVELING 1500 TO 1823
TEST VOLTAGE	: <u>AT 4.8V</u> <u>AT 6.0V</u>
OPERATING SPEED	: 0.14s/60° 0.11s/60°
DYNAMIC TORQUE	: 11.4Kg.cm(158.3oz.in) 13.6Kg.cm(188.9oz.in)
DEAD BAND WIDTH	: 2us

◆ FEATURES

AMPLIFIER TYPE	: DIGITAL PULSE WIDTH CONTROLLER & FET DRIVER
LONG LIFE POTENTIOMETER	: 1,000,000 cycles
MOTOR TYPE	: CORELESS MOTOR
BALL BEARING	: DOUBLE BALL BEARINGS
GEAR MATERIAL	: 1st carbonite gear & METAL GEARS(Anodizing horn gear)
HORN GEAR SPLINE	: 25 SEGMENTS/ Ø5.96(FUTABA TYPE)
SPLINED HORNS	: 4 CLASS
CONNECTOR WIRE LENGTH	: 300mm(10.63in)
CONNECTOR WIRE STRAND COUNTER	: 0.08mmx60EA

◆ DIMENSIONS

SIZE	: 39.5x19.5x39.5mm(1.55x0.77x1.55in)
WEIGHT	: 57.1g(2.01oz)

DSW614MG

◆ TECHNICAL DATA

CONTROL SYSTEM	: PULSE WIDTH CONTROL
OPERATING VOLTAGE	: 4.8V ~ 6.0V
OPERATING TRAVEL	: 30°/ ONE SIDE PULSE TRAVELING 323usec
DIRECTION	: COUNTERCLOCKWISE/ PULSE TRAVELING 1500 TO 1823
TEST VOLTAGE	: <u>AT 4.8V</u> <u>AT 6.0V</u>
OPERATING SPEED	: 0.12s/60° 0.09s/60°
DYNAMIC TORQUE	: 8.0Kg.cm(111.1oz.in) 11.1Kg.cm(154.1oz.in)
DEAD BAND WIDTH	: 2us

◆ FEATURES

AMPLIFIER TYPE	: DIGITAL PULSE WIDTH CONTROLLER & FET DRIVER
LONG LIFE POTENTIOMETER	: 1,000,000 cycles
MOTOR TYPE	: CORELESS MOTOR
BALL BEARING	: DOUBLE BALL BEARINGS
GEAR MATERIAL	: 1st carbonite gear & METAL GEARS(Anodizing horn gear)
HORN GEAR SPLINE	: 25 SEGMENTS/ Ø5.96(FUTABA TYPE)
SPLINED HORNS	: 4 CLASS
CONNECTOR WIRE LENGTH	: 300mm(10.63in)
CONNECTOR WIRE STRAND COUNTER	: 0.08mmx60EA

◆ DIMENSIONS

SIZE	: 39.5x19.5x39.5mm(1.55x0.77x1.55in)
WEIGHT	: 57.6g(2.03oz)

DSW730MG

◆ TECHNICAL DATA

CONTROL SYSTEM	: PULSE WIDTH CONTROL
OPERATING VOLTAGE	: 4.8V ~ 6.0V
OPERATING TRAVEL	: 30° / ONE SIDE PULSE TRAVELING 323usec
DIRECTION	: COUNTERCLOCKWISE / PULSE TRAVELING 1500 TO 1823
TEST VOLTAGE	: <u>AT 6.0V</u> <u>AT 7.4V</u>
OPERATING SPEED	: 0.11s/60° 0.09s/60°
DYNAMIC TORQUE	13.6Kg.cm(188.9oz.in) 16.1Kg.cm(223.6oz.in)
DEAD BAND WIDTH	: 2us

◆ FEATURES

AMPLIFIER TYPE	: DIGITAL PULSE WIDTH CONTROLLER & FET DRIVER
LONG LIFE POTENTIOMETER	: 1,000,000 cycles
MOTOR TYPE	: CORELESS MOTOR
BALL BEARING	: DOUBLE BALL BEARINGS
GEAR MATERIAL	: ALL METAL GEARS(Anodizing horn gear)
HORN GEAR SPLINE	: 25 SEGMENTS / Ø5.96(FUTABA TYPE)
SPLINED HORNS	: 4 CLASS
CONNECTOR WIRE LENGTH	: 300mm(10.63in)
CONNECTOR WIRE STRAND COUNTER	: 0.08mmx60EA

◆ DIMENSIONS

SIZE	: 39.5x19.5x39.5mm(1.55x0.77x1.55in)
WEIGHT	: 64.4g(2.27oz)