### **GENERAL SPECIFICATION OF HSR-8498HB DIGITAL ROBOT SERVO**

1.TECHNICAL VALUE CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL

OPERATING VOLTAGE RANGE :6.0V TO 7.4V

OPERATING TEMPERATURE RANGE  $:-20^{\circ}C TO +60^{\circ}C(-4^{\circ}F TO +140^{\circ}F)$ 

:AT 6.0V TEST VOLTAGE AT 7.4V :0.20sec/60° AT NO LOAD OPERATING SPEED 0.18sec/60° AT NO LOAD : 7.4kg.cm(102.76oz.in) STALL TORQUE 9.0kg.cm(124.98oz.in)

:6.7kg.cm(93.04oz.in)/5° HOLDOUT 8.1kg.cm(112.48oz.in)/5° HOLDOUT 8mA AT STOPPED STANDING TORQUE

IDLE CURRENT :8ma AT STOPPED

240mA/NO LOAD RUNNING :200mA/NO LOAD RUNNING RUNNING CURRENT STALL CURRENT :1200mÁ 1480m Å

DEAD BAND WIDTH :5usec 5usec OPERATING TRAVEL :45±5°/ONE SIDE PULSE TRAVELING 900usec DIRECTION :CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec

MOTOR TYPE : CORED METAL BRUSH :4 SLIDER/INDIRECT DRIVE POTENTIOMETER TYPE

AMPLIFIER TYPE :DIGITAL AMPLIFIER WITH MOSFET DRIVE

**DIMENSIONS** :40x20x37mm(1.57x0.78x1.45in)

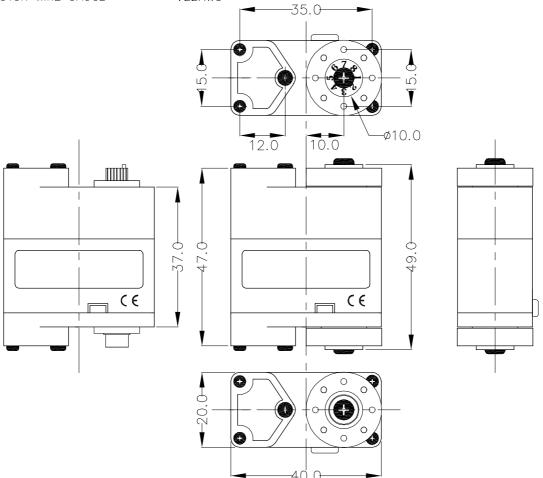
WEIGHT :54.7g(1.92oz):DUAL/MR106 BALL BEARING

GEAR MATERIAL :HEAVY DUTY RESIN GEARS HORN GEAR SPLINE

:24 SEGMENTS/Ø5.76 :HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH SPLINED HORNS

CONNECTOR WIRE LENGTH : 400mm(15.74inch)

CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE : 22AWG



2.FEATURES PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING BOTTOM SIDE AXIAL MOUNT HOLE

3. APPLICATIONS ROBOTS

# GENERAL SPECIFICATION OF HSR-8498HB1L200 DIGITAL ROBOT SERVO

1.TECHNICAL VALUE

CONTROL SYSTEM

OPERATING VOLTAGE RANGE

OPERATING TEMPERATURE RANGE

TEST VOLTAGE

1. +PULSE WIDTH CONTROL 1500usec NEUTRAL

1. +PULSE W

TEST VOLTAGE : AT 6.0V AT 7.4V

OPERATING SPEED : 0.20sec/60° AT NO LOAD 0.18sec/60° AT NO LOAD

STALL TORQUE : 7.4kg.cm(102.76oz.in) 9.0kg.cm(124.98oz.in)

STANDING TORQUE :6.7kg.cm(93.04oz.in)/5° HOLDOUT 8.1kg.cm(112.48oz.in)/5° HOLDOUT 1DLE CURRENT :8mA AT NO LOAD 8mA AT STOPPED

RUNNING CURRENT : 200mA/NO LOAD RUNNING 240mA/NO LOAD RUNNING STALL CURRENT : 1200mA 1480mA

DEAD BAND WIDTH

:5usec

OPERATING TRAVEL

DIRECTION

:COCK WISE/PULSE TRAVELING 1500 TO 1900usec

MOTOR TYPE : CORED METAL BRUSH
POTENTIOMETER TYPE : 4 SLIDER/INDIRECT DRIVE

AMPLIFIER TYPE : DIGITAL AMPLIFIER WITH MOSFET DRIVE

DIMENSIONS : 40x20x37mm(1.57x0.78x1.45in)

WEIGHT : 51.9g(1.83oz)

BALL BEARING : DUAL/MR196T

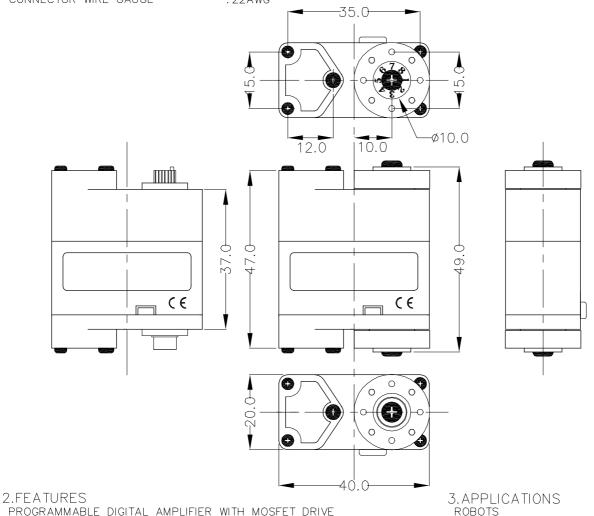
GEAR MATERIAL : HEAVY DUTY RESIN GEARS

GEAR MATERIAL : HEAVY DUTY RESIN GEARS
HORN GEAR SPLINE : 24 SEGMENTS/Ø5.76

SPLINED HORNS :HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH

CONNECTOR WIRE LENGTH : 200mm(7.87in)

CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE : 22AWG



PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING BOTTOM SIDE AXIAL MOUNT HOLE

#### **GENERAL SPECIFICATION OF** HSR-8498HB1L300 DIGITAL ROBOT SERVO

1.TECHNICAL VALUE CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL

:6.0V TO 7.4V OPERATING VOLTAGE RANGE

OPERATING TEMPERATURE RANGE  $:-20^{\circ}C \text{ TO } +60^{\circ}C(-4^{\circ}F \text{ TO } +140^{\circ}F)$ 

TEST VOLTAGE AT 7.4V :AT 6.0V :0.20sec/60° AT NO LOAD OPERATING SPEED 0.18sec/60° AT NO LOAD : 7.4kg.cm(102.76oz.in) STALL TORQUE 9.0kg.cm(124.98oz.in)

8.1kg.cm(112.48oz.in)/5° HOLDOUT 8mA AT STOPPED :6.7kg.cm(93.04oz.in)/5° HOLDOUT STANDING TORQUE

:8mA AT STOPPED IDLE CURRENT :200mA/NO LOAD RUNNING 240mA/NO LOAD RUNNING RUNNING CURRENT

STALL CURRENT :1200mÂ 1480mÁ DEAD BAND WIDTH :5usec 5usec OPERATING TRAVEL :45±5°/ONE SIDE PULSE TRAVELING 900usec :CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec DIRECTION

MOTOR TYPE : CORED METAL BRUSH POTENTIOMETER TYPE :4 SLIDER/INDIRECT DRIVE

AMPLIFIER TYPE : DIGITAL AMPLIFIER WITH MOSFET DRIVE

DIMENSIONS :40x20x37mm(1.57x0.78x1.45in)

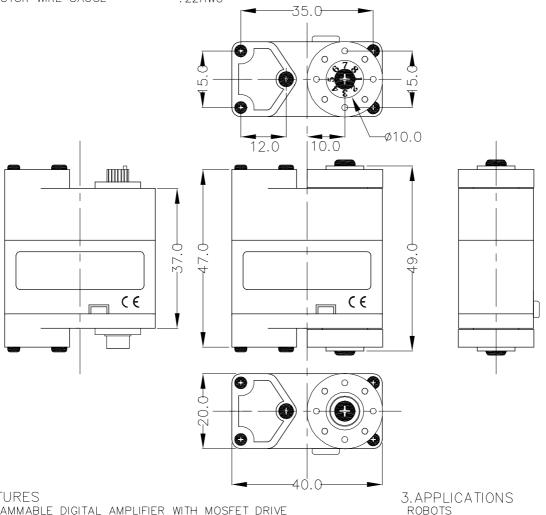
WEIGHT :53.3q(1.88oz) :DUAL/MR106 BALL BEARING

GEAR MATERIAL :HEAVY DUTY RESIN GEARS HORN GEAR SPLINE :24 SEGMENTS/Ø5.76

:HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH SPLINED HORNS

CONNECTOR WIRE LENGTH : 300mm(11.81in)

CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE : 22AWG



2.FEATURES PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING BOTTOM SIDE AXIAL MOUNT HOLE

#### **GENERAL SPECIFICATION OF** HSR-8498HB1R200 DIGITAL ROBOT SERVO

1.TECHNICAL VALUE CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL

OPERATING VOLTAGE RANGE :6.0V TO 7.4V

OPERATING TEMPERATURE RANGE  $:-20^{\circ}C \text{ TO } +60^{\circ}C(-4^{\circ}F \text{ TO } +140^{\circ}F)$ TEST VOLTAGE

:AT 6.0V AT 7.4V :0.20sec/60° AT NO LOAD OPERATING SPEED 0.18sec/60° AT NO LOAD : 7.4kg.cm(102.76oz.in) STALL TORQUE 9.0kg.cm(124.98oz.in)

8.1kg.cm(112.48oz.in)/5° HOLDOUT 8mA AT STOPPED :6.7kg.cm(93.04oz.in)/5° HOLDOUT STANDING TORQUE

:8mA AT STOPPED IDLE CURRENT

:200mA/NO LOAD RUNNING 240mA/NO LOAD RUNNING RUNNING CURRENT

STALL CURRENT :1200mÂ 1480mÁ DEAD BAND WIDTH :5usec 5usec OPERATING TRAVEL :45±5°/ONE SIDE PULSE TRAVELING 900usec :CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec DIRECTION

MOTOR TYPE : CORED METAL BRUSH POTENTIOMETER TYPE :4 SLIDER/INDIRECT DRIVE

AMPLIFIER TYPE :DIGITAL AMPLIFIER WITH MOSFET DRIVE

**DIMENSIONS** :40x20x37mm(1.57x0.78x1.45in)

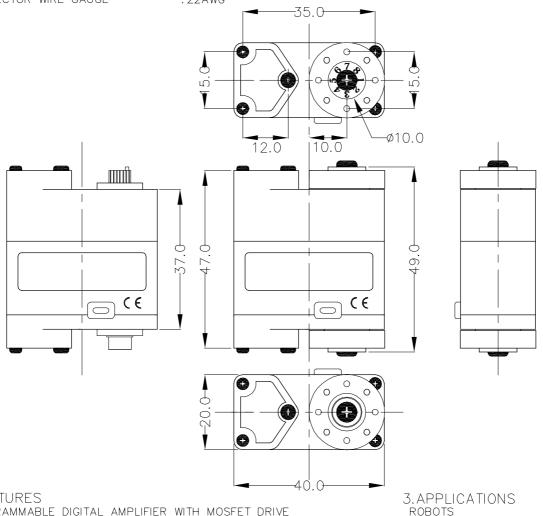
WEIGHT :51.9g(1.83oz) :DUAL/MR106 BALL BEARING

GEAR MATERIAL :HEAVY DUTY RESIN GEARS HORN GEAR SPLINE :24 SEGMENTS/Ø5.76

:HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH SPLINED HORNS

CONNECTOR WIRE LENGTH :200mm(7.87in)

CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE : 22AWG



2.FEATURES PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING BOTTOM SIDE AXIAL MOUNT HOLE

#### **GENERAL SPECIFICATION OF** HSR-8498HB1R300 DIGITAL ROBOT SERVO

1.TECHNICAL VALUE CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL

OPERATING VOLTAGE RANGE :6.0V TO 7.4V

OPERATING TEMPERATURE RANGE  $:-20^{\circ}C \text{ TO } +60^{\circ}C(-4^{\circ}F \text{ TO } +140^{\circ}F)$ TEST VOLTAGE :AT 6.0V AT 7.4V

:0.20sec/60° AT NO LOAD OPERATING SPEED 0.18sec/60° AT NO LOAD : 7.4kg.cm(102.76oz.in) 9.0kg.cm(124.98oz.in) STALL TORQUE

:6.7kg.cm(93.04oz.in)/5° HOLDOUT 8.1kg.cm(112.48oz.in)/5° HOLDOUT 8mA AT STOPPED STANDING TORQUE

IDLE CURRENT :8mA AT STOPPED

:200mA/NO LOAD RUNNING 240mA/NO LOAD RUNNING RUNNING CURRENT STALL CURRENT :1200mÂ 1480mÁ

DEAD BAND WIDTH :5usec 5usec OPERATING TRAVEL :45±5°/ONE SIDE PULSE TRAVELING 900usec :CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec DIRECTION

MOTOR TYPE : CORED METAL BRUSH POTENTIOMETER TYPE :4 SLIDER/INDIRECT DRIVE

AMPLIFIER TYPE :DIGITAL AMPLIFIER WITH MOSFET DRIVE

DIMENSIONS :40x20x37mm(1.57x0.78x1.45in)

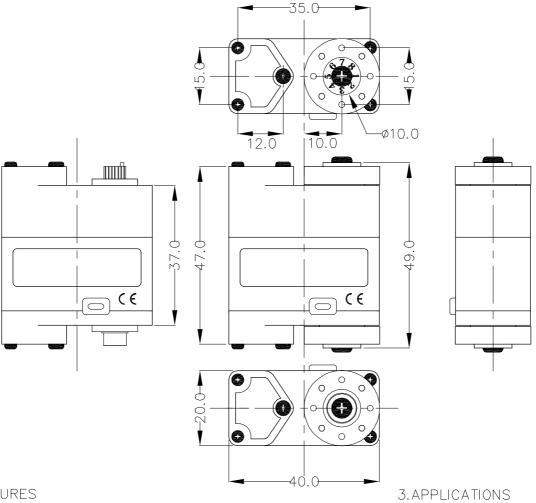
WEIGHT :53.3q(1.88oz) :DUAL/MR106 BALL BEARING

GEAR MATERIAL :HEAVY DUTY RESIN GEARS HORN GEAR SPLINE :24 SEGMENTS/Ø5.76

:HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH SPLINED HORNS

CONNECTOR WIRE LENGTH : 300mm(11.81in)

CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE : 22AWG



2.FEATURES PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING BOTTOM SIDE AXIAL MOUNT HOLE

HITEC RCD KOREA INC.

ROBOTS

PREPARED BY JUN HEE, LEE **GENERAL SPECIFICATION OF** UPDATE: MAY 29, 2005 HSR-8498HB2L200 DIGITAL ROBOT SERVO 1.TECHNICAL VALUE CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL :6.0V TO 7.4V OPERATING VOLTAGE RANGE OPERATING TEMPERATURE RANGE  $:-20^{\circ}C \text{ TO } +60^{\circ}C(-4^{\circ}F \text{ TO } +140^{\circ}F)$ TEST VOLTAGE :AT 6.0V AT 7.4V :0.20sec/60° AT NO LOAD OPERATING SPEED 0.18sec/60° AT NO LOAD : 7.4kg.cm(102.76oz.in) STALL TORQUE 9.0kg.cm(124.98oz.in) 8.1kg.cm(112.48oz.in)/5° HOLDOUT 8mA AT STOPPED :6.7kg.cm(93.04oz.in)/5° HOLDOUT STANDING TORQUE :8mA AT STOPPED IDLE CURRENT :200mA/NO LOAD RUNNING 240mA/NO LOAD RUNNING RUNNING CURRENT STALL CURRENT :1200mÂ 1480mÁ DEAD BAND WIDTH :5usec 5usec OPERATING TRAVEL :45±5°/ONE SIDE PULSE TRAVELING 900usec :CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec DIRECTION MOTOR TYPE : CORED METAL BRUSH POTENTIOMETER TYPE :4 SLIDER/INDIRECT DRIVE AMPLIFIER TYPE :DIGITAL AMPLIFIER WITH MOSFET DRIVE DIMENSIONS :40x20x37mm(1.57x0.78x1.45in)WEIGHT : 48.6g(1.71oz) :DUAL/MR106 BALL BEARING GEAR MATERIAL :HEAVY DUTY RESIN GEARS HORN GEAR SPLINE :24 SEGMENTS/Ø5.76 :HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH SPLINED HORNS CONNECTOR WIRE LENGTH : 200 mm (7.87 in)CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE : 22AWG 35.0 0 <u></u> 10 Ø10.0 10.0 ШШ

> 9 40.0

< €

2.FEATURES PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING BOTTOM SIDE AXIAL MOUNT HOLE

< €

3.APPLICATIONS ROBOTS

#### **GENERAL SPECIFICATION OF** HSR-8498HB2L400 DIGITAL ROBOT SERVO

1.TECHNICAL VALUE CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL

:6.0V TO 7.4V OPERATING VOLTAGE RANGE

OPERATING TEMPERATURE RANGE  $:-20^{\circ}C \text{ TO } +60^{\circ}C(-4^{\circ}F \text{ TO } +140^{\circ}F)$ 

TEST VOLTAGE :AT 6.0V AT 7.4V :0.20sec/60° AT NO LOAD OPERATING SPEED 0.18sec/60° AT NO LOAD : 7.4kg.cm(102.76oz.in) STALL TORQUE 9.0kg.cm(124.98oz.in)

8.1kg.cm(112.48oz.in)/5° HOLDOUT 8mA AT STOPPED :6.7kg.cm(93.04oz.in)/5° HOLDOUT STANDING TORQUE

:8mA AT STOPPED IDLE CURRENT

:200mA/NO LOAD RUNNING 240mA/NO LOAD RUNNING RUNNING CURRENT

STALL CURRENT :1200mÂ 1480mÁ DEAD BAND WIDTH :5usec 5usec OPERATING TRAVEL :45±5°/ONE SIDE PULSE TRAVELING 900usec :CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec DIRECTION

MOTOR TYPE : CORED METAL BRUSH POTENTIOMETER TYPE :4 SLIDER/INDIRECT DRIVE

AMPLIFIER TYPE :DIGITAL AMPLIFIER WITH MOSFET DRIVE

DIMENSIONS : 40x20x37mm(1.57x0.78x1.45in)

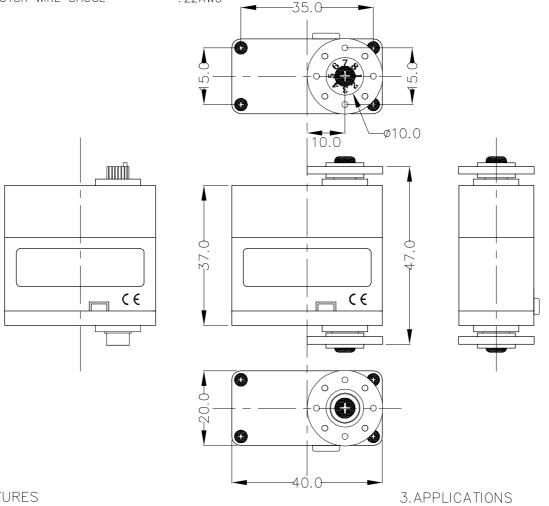
WEIGHT :51.4g(1.81oz):DUAĽ/MR106 BALL BEARING

GEAR MATERIAL :HEAVY DUTY RESIN GEARS HORN GEAR SPLINE :24 SEGMENTS/Ø5.76

:HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH SPLINED HORNS

CONNECTOR WIRE LENGTH : 400mm(15.74in)

CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE : 22AWG



2.FEATURES PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING BOTTOM SIDE AXIAL MOUNT HOLE

ROBOTS

PREPARED BY JUN HEE, LEE **GENERAL SPECIFICATION OF** UPDATE: MAY 29, 2005 HSR-8498HB2R200 DIGITAL ROBOT SERVO 1.TECHNICAL VALUE CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL :6.0V TO 7.4V OPERATING VOLTAGE RANGE OPERATING TEMPERATURE RANGE  $:-20^{\circ}C \text{ TO } +60^{\circ}C(-4^{\circ}F \text{ TO } +140^{\circ}F)$ TEST VOLTAGE AT 7.4V :AT 6.0V :0.20sec/60° AT NO LOAD OPERATING SPEED 0.18sec/60° AT NO LOAD : 7.4kg.cm(102.76oz.in) STALL TORQUE 9.0kg.cm(124.98oz.in) 8.1kg.cm(112.48oz.in)/5° HOLDOUT 8mA AT STOPPED :6.7kg.cm(93.04oz.in)/5° HOLDOUT STANDING TORQUE :8mA AT STOPPED IDLE CURRENT :200mA/NO LOAD RUNNING 240mA/NO LOAD RUNNING RUNNING CURRENT STALL CURRENT :1200mÂ 1480mÁ DEAD BAND WIDTH :5usec 5usec OPERATING TRAVEL :45±5°/ONE SIDE PULSE TRAVELING 900usec :CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec DIRECTION MOTOR TYPE : CORED METAL BRUSH POTENTIOMETER TYPE :4 SLIDER/INDIRECT DRIVE AMPLIFIER TYPE : DIGITAL AMPLIFIER WITH MOSFET DRIVE DIMENSIONS :40x20x37mm(1.57x0.78x1.45in)WEIGHT : 48.6g(1.71oz) :DUAL/MR106 BALL BEARING GEAR MATERIAL :HEAVY DUTY RESIN GEARS HORN GEAR SPLINE :24 SEGMENTS/Ø5.76 :HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH SPLINED HORNS : 200mm(7.87in) CONNECTOR WIRE LENGTH CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE : 22AWG -35.0 • Ŋ. 10 Ø10.0 10.0 ШШ Ф

40.0

< €

2.FEATURES
PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE
DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING
BOTTOM SIDE AXIAL MOUNT HOLE

 $\epsilon$ 

3.APPLICATIONS ROBOTS

### **GENERAL SPECIFICATION OF** HSR-8498HB2R400 DIGITAL ROBOT SERVO

1.TECHNICAL VALUE CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL

OPERATING VOLTAGE RANGE :6.0V TO 7.4V

OPERATING TEMPERATURE RANGE  $:-20^{\circ}C TO +60^{\circ}C(-4^{\circ}F TO +140^{\circ}F)$ 

:AT 6.0V TEST VOLTAGE AT 7.4V :0.20sec/60° AT NO LOAD OPERATING SPEED 0.18sec/60° AT NO LOAD : 7.4kg.cm(102.76oz.in) 9.0kg.cm(124.98oz.in) STALL TORQUE

:6.7kg.cm(93.04oz.in)/5° HOLDOUT 8.1kg.cm(112.48oz.in)/5° HOLDOUT 8mA AT STOPPED STANDING TORQUE

IDLE CURRENT :8mA AT STOPPED

240mA/NO LOAD RUNNING :200mA/NO LOAD RUNNING RUNNING CURRENT

STALL CURRENT :1200mÁ 1480mÁ DEAD BAND WIDTH :5usec 5usec OPERATING TRAVEL :45±5°/ONE SIDE PULSE TRAVELING 900usec DIRECTION :CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec

MOTOR TYPE : CORED METAL BRUSH :4 SLIDER/INDIRECT DRIVE POTENTIOMETER TYPE

AMPLIFIER TYPE :DIGITAL AMPLIFIER WITH MOSFET DRIVE

**DIMENSIONS** : 40x20x37mm(1.57x0.78x1.45in)

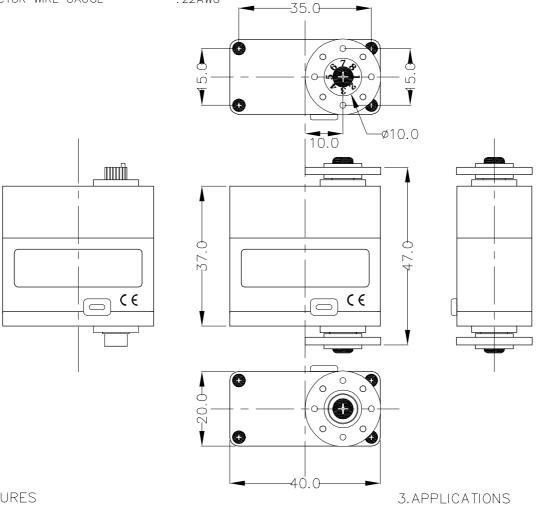
WEIGHT :51.4g(1.81oz) :DUAĽ/MR106 BALL BEARING

GEAR MATERIAL :HEAVY DUTY RESIN GEARS HORN GEAR SPLINE

:24 SEGMENTS/Ø5.76 :HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH SPLINED HORNS

CONNECTOR WIRE LENGTH : 400mm(15.74in)

CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE : 22AWG



2.FEATURES PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING BOTTOM SIDE AXIAL MOUNT HOLE

ROBOTS

# GENERAL SPECIFICATION OF HSR-8498HB3L200 DIGITAL ROBOT SERVO

1.TECHNICAL VALUE CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL OPERATING VOLTAGE RANGE :6.0V TO 7.4V OPERATING TEMPERATURE RANGE  $:-20^{\circ}C \text{ TO } +60^{\circ}C(-4^{\circ}F \text{ TO } +140^{\circ}F)$ TEST VOLTAGE :AT 6.0V AT 7.4V :0.20sec/60° AT NO LOAD OPERATING SPEED 0.18sec/60° AT NO LOAD : 7.4kg.cm(102.76oz.in) STALL TORQUE 9.0kg.cm(124.98oz.in) 8.1kg.cm(112.48oz.in)/5° HOLDOUT 8mA AT STOPPED :6.7kg.cm(93.04oz.in)/5° HOLDOUT STANDING TORQUE :8mA AT STOPPED IDLE CURRENT :200mA/NO LOAD RUNNING 240mA/NO LOAD RUNNING RUNNING CURRENT STALL CURRENT :1200mÂ 1480mÁ DEAD BAND WIDTH :5usec 5usec OPERATING TRAVEL :45±5°/ONE SIDE PULSE TRAVELING 900usec :CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec DIRECTION MOTOR TYPE : CORED METAL BRUSH POTENTIOMETER TYPE :4 SLIDER/INDIRECT DRIVE AMPLIFIER TYPE :DIGITAL AMPLIFIER WITH MOSFET DRIVE DIMENSIONS :40x20x37mm(1.57x0.78x1.45in)WEIGHT : 47.2q(1.66oz) : DUAL/MR106 BALL BEARING GEAR MATERIAL :HEAVY DUTY RESIN GEARS HORN GEAR SPLINE :24 SEGMENTS/Ø5.76 :HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH SPLINED HORNS CONNECTOR WIRE LENGTH : 200 mm (7.87 in)CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE :22AWG -35.0 0 <u></u> 10 Ø10.0 10.0 ШШ Ф < € < € 0 J 40.0 3.APPLICATIONS 2.FEATURES PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE ROBOTS DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING

BOTTOM SIDE AXIAL MOUNT HOLE

## **GENERAL SPECIFICATION OF**

HSR-8498HB3R200 DIGITAL ROBOT SERVO 1.TECHNICAL VALUE CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL OPERATING VOLTAGE RANGE :6.0V TO 7.4V OPERATING TEMPERATURE RANGE  $:-20^{\circ}C TO +60^{\circ}C(-4^{\circ}F TO +140^{\circ}F)$ TEST VOLTAGE AT 7.4V :AT 6.0V OPERATING SPEED :0.20sec/60° AT NO LOAD 0.18sec/60° AT NO LOAD : 7.4kg.cm(102.76oz.in) STALL TORQUE 9.0kg.cm(124.98oz.in) 8.1kg.cm(112.48oz.in)/5° HOLDOUT 8mA AT STOPPED :6.7kg.cm(93.04oz.in)/5° HOLDOUT STANDING TORQUE IDLE CURRENT :8mA AT STOPPED :200mA/NO LOAD RUNNING 240mA/NO LOAD RUNNING RUNNING CURRENT STALL CURRENT :1200mÁ 1480mÁ DEAD BAND WIDTH :5usec 5usec OPERATING TRAVEL :45±5'/ONE SIDE PULSE TRAVELING 900usec :CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec DIRECTION MOTOR TYPE : CORED METAL BRUSH POTENTIOMETER TYPE : 4 SLIDER/INDIRECT DRIVE AMPLIFIER TYPE :DIGITAL AMPLIFIER WITH MOSFET DRIVE **DIMENSIONS** : 40x20x37mm(1.57x0.78x1.45in) WEIGHT : 47.2g(1.66oz) :DUAL/MR106 BALL BEARING GEAR MATERIAL :HEAVY DUTY RESIN GEARS :24 SEGMENTS/ø5.76 HORN GEAR SPLINE SPLINED HORNS :HSR-8498HB USE ONLY/HSR8498TSH,HSR8498BSH CONNECTOR WIRE LENGTH : 200mm(7.87in) CONNECTOR WIRE STRAND COUNTER: 60EA CONNECTOR WIRE GAUGE : 22AWG -35.0 IJ. ഗ ø10.0 10.0 € € 0 0

40.0 2.FEATURES PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE DURABLE HEAVY DUTY RESIN GEARS WITH DUAL BALL BEARING BOTTOM SIDE AXIAL MOUNT HOLE

3. APPLICATIONS **ROBOTS**