



THETA

Tech eases the fly
SINCE 2018

Distributed by:



HELI

ACRO






BUGGY

DRIFT

SERVO SELECTION GUIDE



3D Aerobatic Airplanes and Turbojet Aircraft SERVO application table

SERVO	Torque(8.4V)	Weight
MICRO 	7.5Kg/cm @1.7A	21g
MINI 	15Kg/cm @2.3A	46g
LOW PROFILE 	20Kg/cm @5A	53g
LOW PROFILE 	40Kg/cm @5A	60g
STANDARD 	48Kg/cm @5A	73g

Tips for using THETA servo:

THETA servo is high-voltage servo. A higher BEC voltage can increase the torque and speed.

The default current of THETA NFC servo has quite ideal performance. If it still cannot meet your requirements, you can increase the maximum current appropriately (provided that the BEC power supply is good).

2019
NEW & HOT

BRUSHLESS
NFC HV
Standard

THETA
シータ 西塔
Tech eases the fly



RAZOR-C1

NFC FULL METAL BRUSHLESS DIGITAL STANDARD SERVO

Neutral Pulse Width: 760us/1520us adjustable (Narrow/Wide)

Frequency Range: 50~400Hz

Limit angle: $180 \pm 10^\circ$ (500-2500μsec)

Connector wire length: 320 ± 5 mm

Operating travel: 90° (1000-2000μsec)

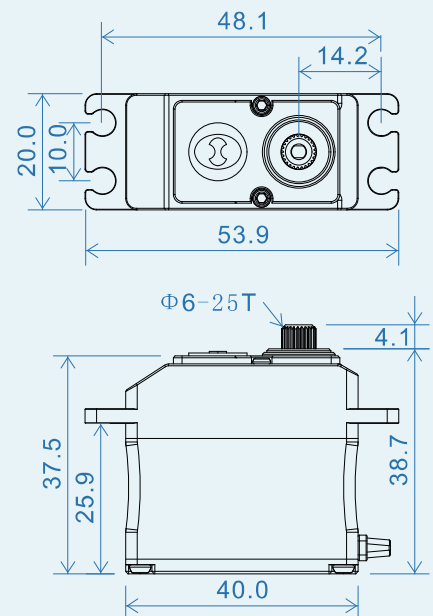
Connector wire gauge: #22PVC

Rotating direction: adjustable

Dead band width: 1-4μsec

SPEED	TORQUE
5.0V-0.108s/60° @2.6A	5.0V-23Kgf.cm @2.6A
6.0V-0.084s/60° @2.6A	6.0V-27Kgf.cm @2.6A
7.4V-0.071s/60° @2.6A	7.4V-34Kgf.cm @2.6A
8.4V-0.060s/60° @2.6A	8.4V-36Kgf.cm @2.6A
5.0V-0.102s/60° @5A	5.0V-32Kgf.cm @5A
6.0V-0.079s/60° @5A	6.0V-37Kgf.cm @5A
7.4V-0.067s/60° @5A	7.4V-44Kgf.cm @5A
8.4V-0.056s/60° @5A	8.4V-48Kgf.cm @5A

73g



M3X12X4Pcs

M3X5X4Pcs

28X16mmX1Pcs

7X9X6X4Pcs

M3X6X1Pcs

45X10mmX1Pcs

2020
NEW & HOT

THETA
シータ 西塔
Tech eases the fly

BRUSHLESS
NFC HV
Low Profile



RAZOR - DH1

NFC FULL METAL BRUSHLESS LOW PROFILE SERVO

Neutral Pulse Width: 760us/1520us adjustable (Narrow/Wide)

Frequency Range: 50~400Hz

Limit angle: $180 \pm 10^\circ$ (500-2500μsec)

Connector wire length: 300 ± 5 mm

Operating travel: 90° (1000-2000μsec)

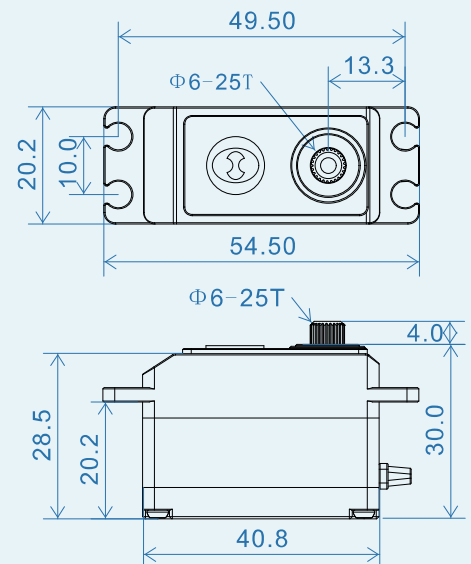
Connector wire gauge: #22PVC


Rotating direction :adjustable


Dead band width: 1-4μsec


SPEED	TORQUE
5.0V-0.108s/60° @3A	5.0V-24Kgf.cm @3A
6.0V-0.09s/60° @3A	6.0V-26Kgf.cm @3A
7.4V-0.08s/60° @3A	7.4V-28Kgf.cm @3A
8.4V-0.07s/60° @3A	8.4V-30Kgf.cm @3A
5.0V-0.092s/60° @5A	5.0V-30Kgf.cm @5A
6.0V-0.081s/60° @5A	6.0V-34Kgf.cm @5A
7.4V-0.072s/60° @5A	7.4V-37Kgf.cm @5A
8.4V-0.063s/60° @5A	8.4V-40Kgf.cm @5A


60g





 M3X12X4Pcs

 M3X5X4Pcs

 28X16mmX1Pcs

 7X9X6X4Pcs

 M3X6X1Pcs

 45X10mmX1Pcs

2020
NEW & HOT

THETA

シータ 西塔

Tech eases the fly

BRUSHLESS
NFC HV
Low Profile



RAZOR - D1

NFC FULL METAL BRUSHLESS LOW PROFILE SERVO

Neutral Pulse Width: 760us/1520us adjustable (Narrow/Wide)

Frequency Range: 50~400Hz

Limit angle: $180 \pm 10^\circ$ (500-2500μsec)

Connector wire length: 300 ± 5 mm

Operating travel: 90° (1000-2000μsec)

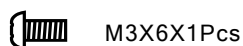
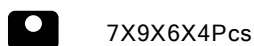
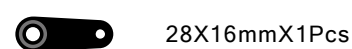
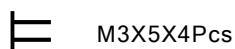
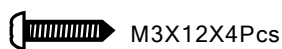
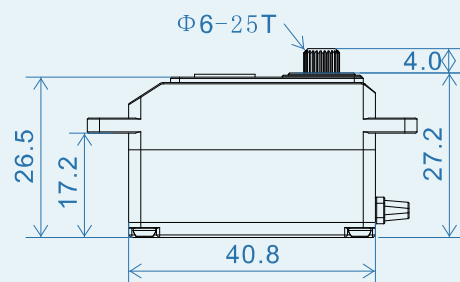
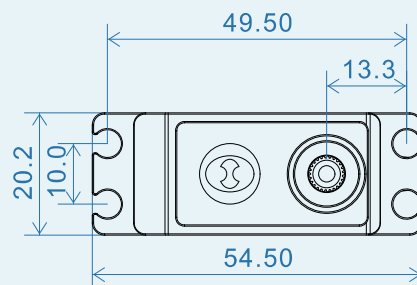
Connector wire gauge: #22PVC

Rotating direction :adjustable

Dead band width: 1-4μsec

SPEED	TORQUE
5.0V-0.108s/60° @3A	5.0V-12Kgf.cm @3A
6.0V-0.09s/60° @3A	6.0V-13.5Kgf.cm @3A
7.4V-0.08s/60° @3A	7.4V-15Kgf.cm @3A
8.4V-0.07s/60° @3A	8.4V-16Kgf.cm @3A
5.0V-0.092s/60° @5A	5.0V-14Kgf.cm @5A
6.0V-0.081s/60° @5A	6.0V-15.5Kgf.cm @5A
7.4V-0.072s/60° @5A	7.4V-18Kgf.cm @5A
8.4V-0.063s/60° @5A	8.4V-20Kgf.cm @5A

53g



2020
NEW & HOT

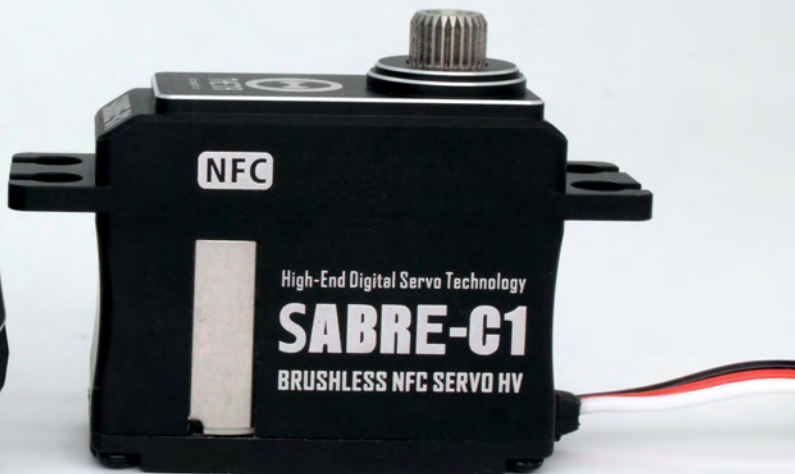
THETA

シータ 西塔

Tech eases the fly

BRUSHLESS

HV MINI



SABRE - C1

METAL BRUSHLESS NFC HV MINI SERVO

Neutral Pulse Width: 760us/1520us adjustable (Narrow/Wide)

Frequency Range: 50~400Hz

Limit angle: $180 \pm 10^\circ$ (500-2500μsec)

Connector wire length: 300 ± 5 mm

Operating travel: 90° (1000-2000μsec)

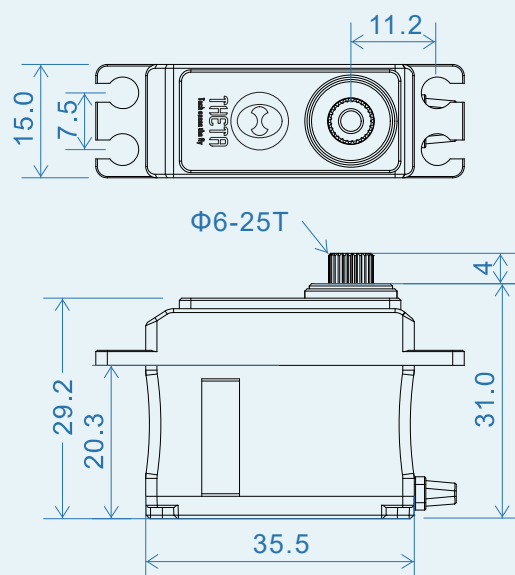
Connector wire gauge: #26PVC

Rotating direction :adjustable

Dead band width: 2-4μsec

VOLTAGE	CURRENT	SPEED	TORQUE
5.0V	2.0A	0.10s/60°	10Kgf.cm
6.0V	2.0A	0.09s/60°	12Kgf.cm
7.4V	2.1A	0.08s/60°	14Kgf.cm
8.4V	2.3A	0.07s/60°	15Kgf.cm

46g



2020
NEW & HOT

THETA

シータ 西塔
Tech eases the fly

BRUSHLESS
HV MINI



THM988

METAL BRUSHLESS HV MINI SERVO

Neutral Pulse Width: 1520us (Wide)

Frequency Range: 50~400Hz

Limit angle: $180 \pm 10^\circ$ (500-2500μsec)

Connector wire length: 300 ± 5 mm

Operating travel: 90° (1000-2000μsec)

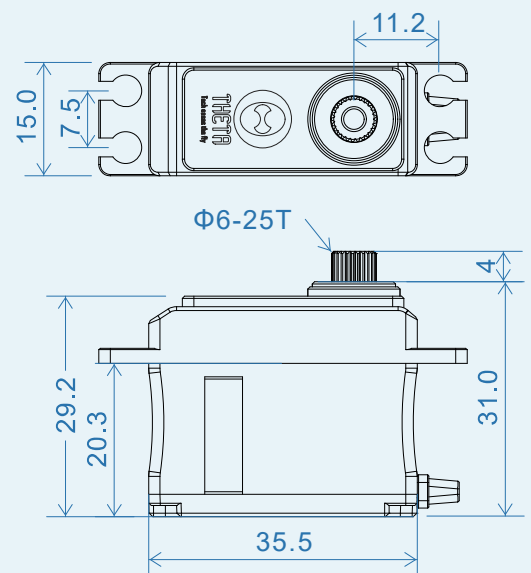
Connector wire gauge: #26PVC

Rotating direction: adjustable

Dead band width: 2-4μsec

VOLTAGE	CURRENT	SPEED	TORQUE
5.0V	2.0A	0.10s/60°	10Kgf.cm
6.0V	2.0A	0.09s/60°	12Kgf.cm
7.4V	2.1A	0.08s/60°	14Kgf.cm
8.4V	2.3A	0.07s/60°	15Kgf.cm

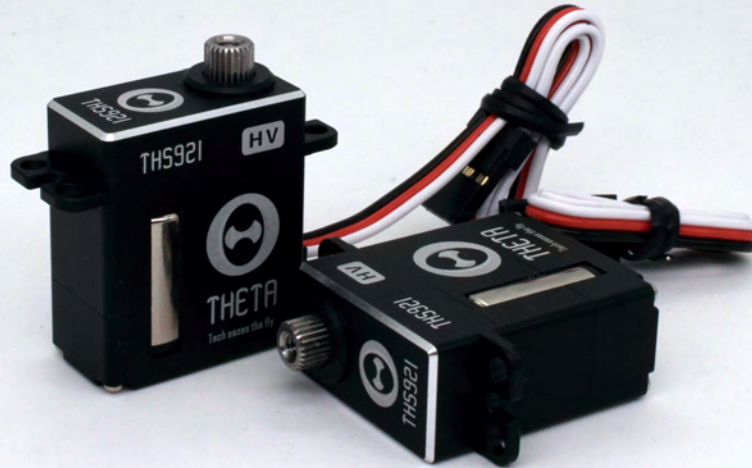
46g



2020
NEW & HOT

THETA
シータ 西塔
Tech eases the fly

CORELESS
HV MICRO



THS921

METAL CORELESS HV MICRO SERVO

Neutral Pulse Width: 1520us (Wide)

Frequency Range: 50~400Hz

Limit angle: $140 \pm 10^\circ$ (750-2250μsec)

Connector wire length: 190 ± 5 mm

Operating travel: 90° (1000-2000μsec)

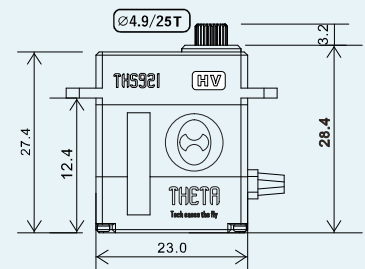
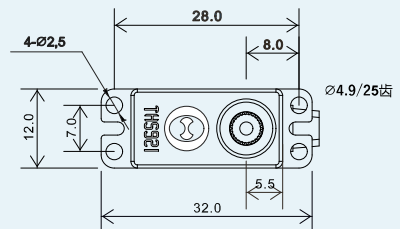
Connector wire gauge: #26PVC

Rotating direction: CCW

Dead band width: μsec

SPEED	TORQUE
0.11sec/60° @ 6.0V	5.8 kg-cm (81 oz-in) @ 6.0V
0.09sec/60° @ 7.4V	6.8 kg-cm (94 oz-in) @ 7.4V
0.08sec/60° @ 8.4V	7.5 kg-cm (104 oz-in) @ 8.4V

21g



Theta Servo takes the lead in launching NFC tunable Servo

Tuning tool:

An Android phone with NFC function.

APP download:

fastech.cc

Registered:

The international area code (86139...) should be added before the mobile phone number, We are using an international SMS platform.

Recommendation code:

Please use the recommendation code of the friend who recommended this product to you, "Personal Info" in the APP.

If not recommended by a friend, the recommendation code can be used: **5M4TC1**

Operating:

1. Enable the NFC function of the mobile phone;
2. Open the APP and click to enter the parameter setting;
3. Use the mobile phone's NFC sensing area, close to the bottom cover of the servo (the servo should be Power off) until the reading is successful;
4. New servos need to be registered before they can be rewritten. The registered servos, Other users cannot rewrite.

Adjustable parameters:

See the picture on the right;

Recommended adjustment parameters:

Stretching: the value is small, the servo turns more softly, the value is large, and it follows the hand;

Brake: the value is large, the servo turns more slowly, the value is small, follow the hand Too small, overshoot;

Output angle: It is recommended to adjust the remote control EPA to the maximum, while use the zero adjustment function of the servo to adjust the zero position, and then adjust this parameter is used to obtain the required output range of the servo; Can get the most delicate remote control feel;

Maximum current:

Adjust the maximum power of the servo ; The maximum current is not recommended to exceed 7.5A.

