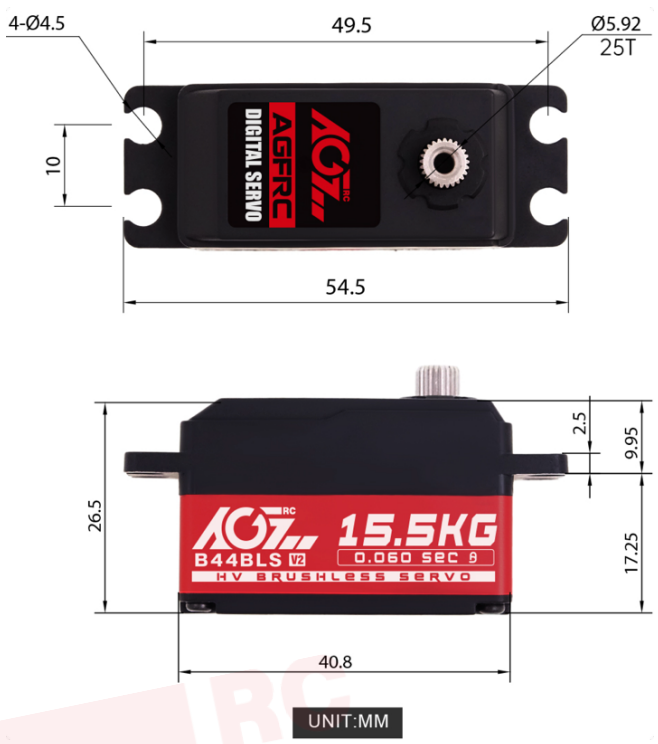
PRODUCT SPECIFICATION

B44BLS V2

Control System	PWM
Refresh Rate	333 Hz
Neutral Position	1520 µSec
Signal Mode	Digital
Dead band	2 µSec
Operating Voltage	4.8V ~ 8.4V
Operating Temp.	-15°C ~ +70°C
Bearing	2BB
Mechanical Angle	220°
Dimension	40.8*20.2*26.5 mm
Net Weight	44 g
Connector / Cable	TYU 200mm / 22AWG
Operating Travel	180° ± 10°
Signal Range	500 to 2500 µSec



Operating Speed	**Stall Torque**	**Unload Current**	**Loading Current**
0.080 sec/60° @ 4.8V	10.0 kg-cm (139 oz-in) @ 4.8V	320mA @ 4.8V	3300mA @ 4.8V
0.070 sec/60° @ 6.0V	13.0 kg-cm (180 oz-in) @ 6.0V	380mA @ 6.0V	3600mA @ 6.0V
0.065 sec 60° @ 7.4V	14.0 kg-cm (194 oz-in) @ 7.4V	430mA @ 7.4V	4100mA @ 7.4V
0.060 sec/60° @ 8.4V	15.5 kg-cm (215 oz-in) @ 8.4V	480mA @ 8.4V	4200mA @ 8.4V

Direction	CCW	**Motor Type**	Brushless
Waterproof Level	/	**Angle Sensor**	Potentiometer
Programmable	Yes	**Motor Drive**	FET Drive
Gear Material	Titanium	**Horn Gear Spline**	25T-Ø5.92mm
Case Material	Aluminum + Plastic	**Bearing Material**	Metal
Wire Color (- + S)	Negative: ●	Positive: ●	Signal: ●

Default Accessories

① 1 pc x 25T-Ø5.92mm L=45mm Plastic Horn
② 1 pc x 25T-Ø5.92mm L=40.3mm Plastic Horn
③ 1 pc x 25T-Ø5.92mm L=27.5mm Plastic Horn
④ 4 pcs x M3*12mm Screws
⑤ 1 pc x M3*8mm Screw
⑥ 4 pcs x Ø9* Ø6.9*5.6mm Rubber Pads
⑦ 4 pcs x Ø6* Ø3.5*5mm Copper Sleeves



Remark: If you have any questions about the B44BLS V2 servo, please contact shopping@agfrc.com directly.