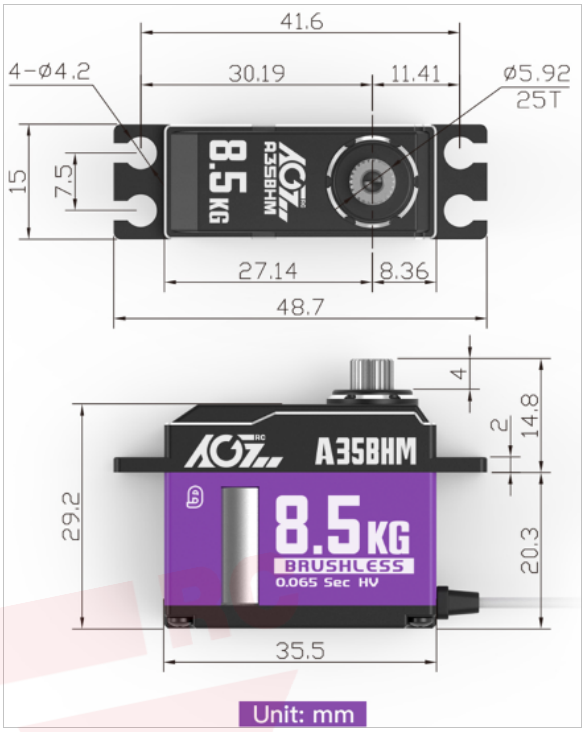
PRODUCT SPECIFICATION

A35BHM

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	35.5 x 15 x 29.2 mm
Net Weight	41 g
Connector / Cable	TYU 180mm / 22AWG
Operating Travel	180° ± 10°
Signal Range	500 to 2500 µSec



Operating Speed	**Stall Torque**	**Unload Current**	**Loading Current**
0.090 sec/60° @ 4.8V	5.0 kg-cm (70 oz-in) @ 4.8V	230mA @ 4.8V	1800mA @ 4.8V
0.080 sec/60° @ 6.0V	6.0 kg-cm (83 oz-in) @ 6.0V	300mA @ 6.0V	2200mA @ 6.0V
0.072 sec/60° @ 7.4V	7.5 kg-cm (104 oz-in) @ 7.4V	380mA @ 7.4V	2500mA @ 7.4V
0.065 sec/60° @ 8.4V	8.5 kg-cm (118 oz-in) @ 8.4V	420mA @ 8.4V	2800mA @ 8.4V

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

Default Accessories

① 1 pc x 25T-Ø5.92mm L=38.3mm Plastic Horn
② 1 pc x 25T-Ø5.92mm L=36.4mm Plastic Horn
③ 1 pc x 25T-Ø5.92mm L=31.4mm Plastic Horn
④ 1 pc x 25T-Ø5.92mm Ø20.3mm Plastic Horn
⑤ 4 pcs x M2*12*Ø5mm Screws
⑥ 1 pc x M3*6*Ø5.6mm Screw
⑦ 4 pcs x Ø5*Ø3*5mm Copper sleeves
⑧ 4 pcs x Ø3*Ø4.6*5mm Rubber Pads



Remark: If you have any questions about the A35BHM servo, please contact shopping@agfrc.com directly.