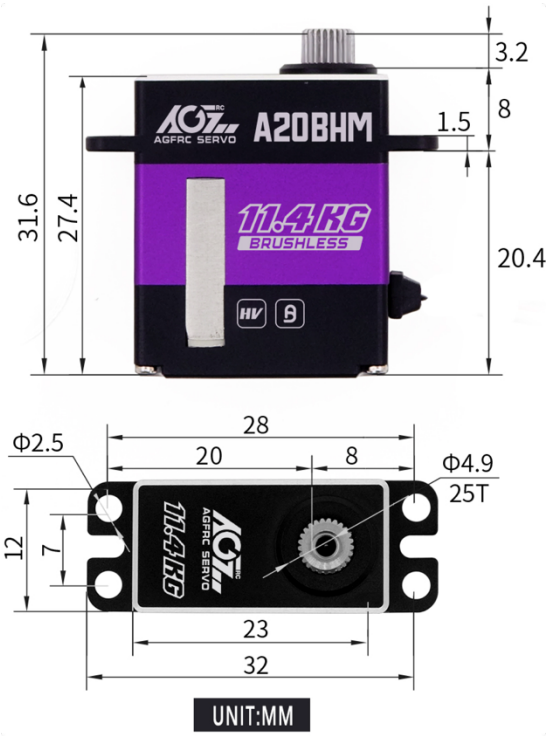
PRODUCT SPECIFICATION

A20BHM

Control System	Pulse width modulation control
Refresh Rate	333Hz
Neutral Position	1520μS
Signal Mode	Digital
Dead band	2 μSec
Operating Voltage	4.8V ~ 8.4V
Operating Temperature	-15C°~ +70C°
Bearing	Double Ball Bearings
Mechanical Angle	No Limit
Size	23*12*27.5mm
Net Weight	21g
Wire	TYU 180mm / 26AWG
Operating Travel	180°±10°
Signal Range	500 to 2500 μSec



Stall Torque	7.20 kg-cm (100 oz-in) @ 4.8V 8.50 kg-cm (118 oz-in) @ 6.0V 10.20 kg-cm (142 oz-in) @ 7.4V 11.40 kg-cm (158 oz-in) @ 8.4V	**Unload Current**	150mA @ 4.8V 180mA @ 6.0V 240mA @ 7.4V 300mA @ 8.4V
Operating Speed	0.105sec/ 60° @ 4.8V 0.092sec/60° @ 6.0V 0.075sec/60° @ 7.4V 0.068sec/60° @ 8.4V	**Loading Current**	1900mA @ 4.8V 2200mA @ 6.0V 2600mA @7.4V 3000mA @ 8.4V

Direction	☑ CCW	☐CW		
Waterproof Level	☐IP65	☐IP67		
Angle Sensor	☑ Potentiometer	☐Magnet Angle Sensor		
Motor Type	☑ Brushless	☐Coreless	☐DC	
Motor Drive	☑ FET Drive	☐IC Drive	☐Transistor Drive	
Programmable	☑ Yes	☐No		
Gear Material	☑Strength Steel	☐Titanium	☐Copper	☐Plastic
Horn Gear Spline	☐25T-φ5.92mm	☑ 25T-φ4.94mm	☐Other_____	
Case Material	☑ AL6061T6	☐Aluminum + Plastic	☐Plastic	
Bearing Material	☑ Metal	☐Plastic		
Horn Accessories	☐AL6061T6	☑ Plastic		
Wire Color	Negative: ☑ Black Positive: ☐Black Signal: ☐Grey	☐Brown ☑ Red ☑ White	☐Orange	