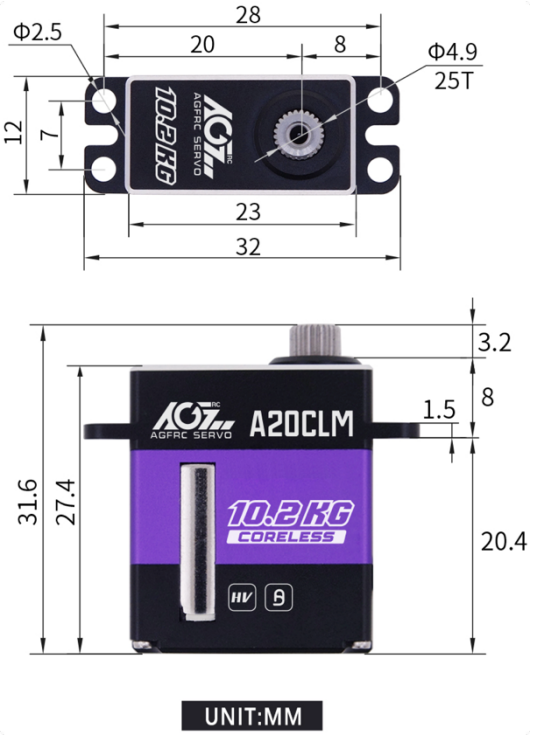
PRODUCT SPECIFICATION

A20CLM V2

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 190mm / 26AWG
Operating Travel	180°±10°
Signal Range	500 to 2500 μSec



Stall Torque	6.8 kg-cm (94 oz-in) @ 4.8V 7.5 kg-cm (104 oz-in) @ 6.0V 8.8 kg-cm (122 oz-in) @ 7.4V 10.2 kg-cm (141 oz-in) @ 8.4V	**Unload Current**	150mA @ 4.8V 180mA @ 6.0V 210mA @ 7.4V 250mA @ 8.4V
Operating Speed	0.155sec/ 60° @ 4.8V 0.132sec/60° @ 6.0V 0.105sec/60° @ 7.4V 0.093sec/60° @ 8.4V	**Loading Current**	1600mA @ 4.8V 1800mA @ 6.0V 2000mA @ 7.4V 2200mA @ 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 ☐Brown Positive: ☐Black ☑ Red Signal: ☐Grey ☑ White ☐Orange