

A280BVMW

Control System	Pulse width modulation control			
Refresh Rate	333Hz			
Neutral Position	1520µS			
Signal Mode	Digital			
Dead band	2 µSec			
Operating Voltage	7.4V ~ 16.8V			
Operating Temperature	-15C° ~ +70C°			
Bearing	5BB			
Mechanical Angle	No Limit			
Size	65.8*30.0*59.0mm			
Net Weight	283g			
Wire	TYU+JST 300mm / 22AWG			
Operating Travel	180°±10°			
Signal Range	500 to 2500 µSec			
Stall Torque	108.0 kg-cm (1501 oz-in) @ 10.0V		Unload Current	
	115.0 kg-cm (1598 oz-in) @ 11.1V			950 mA @ 10.0V
	127.0 kg-cm (1765 oz-in) @ 12.0V			1000 mA @ 11.1V
	152.0 kg-cm (2113 oz-in) @ 14.4V			1060 mA @ 12.0V
	172.0 kg-cm (2390 oz-in) @ 16.0V			1200 mA @ 14.4V
	176.0 kg-cm (2446 oz-in) @ 16.8V			1300 mA @ 16.0V
Operating Speed	0.140 sec/ 60° @ 10.0V		Loading Current	
	0.130 sec/60° @ 11.1V			7700 mA @ 10.0V
	0.120 sec/60° @ 12.0V			8300 mA @ 11.1V
	0.110 sec/60° @ 14.4V			9200 mA @ 12.0V
	0.095 sec/60° @ 16.0V			10600 mA @ 14.4V
	0.092 sec/60° @ 16.8V			11000 mA @ 16.0V
Direction	<input checked="" type="checkbox"/> CCW <input type="checkbox"/> CW		1400 mA @ 16.8V	
Waterproof Level	<input type="checkbox"/> IP65 <input checked="" type="checkbox"/> IP67			
Angle Sensor	<input type="checkbox"/> Potentiometer <input checked="" type="checkbox"/> Magnet Angle Sensor			
Motor Type	<input checked="" type="checkbox"/> Brushless <input type="checkbox"/> Coreless <input type="checkbox"/> DC			
Motor Drive	<input checked="" type="checkbox"/> FET Drive <input type="checkbox"/> IC Drive <input type="checkbox"/> Transistor Drive			
Programmable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Gear Material	<input checked="" type="checkbox"/> Strength Steel <input type="checkbox"/> Titanium <input type="checkbox"/> Copper <input type="checkbox"/> Plastic			
Horn Gear Spline	<input checked="" type="checkbox"/> 15T-φ7.8mm <input type="checkbox"/> 25T-φ4.94mm <input type="checkbox"/> Other _____			
Case Material	<input checked="" type="checkbox"/> AL6061T6 <input type="checkbox"/> Aluminum + Plastic <input type="checkbox"/> Plastic			
Bearing Material	<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic			
Horn Accessories	<input checked="" type="checkbox"/> AL6061T6 <input type="checkbox"/> Plastic			
Wire Color	Battery Negative: <input checked="" type="checkbox"/> Black Battery Positive: <input checked="" type="checkbox"/> Red Signal Negative: <input checked="" type="checkbox"/> Black Signal: <input checked="" type="checkbox"/> White			

Unit: mm