

APPLICATION NOTE FOR RPV SERVO MOTOR

A. Operating voltage : D. C. 4.8V - 7.5V Max. (Optional system : 12.0-15.0V;24.0-28.V)

We have voltage regulator build inside the servo Amp chip itself. That makes the rotating angle accurate under full range of working voltage

B. Speed : Fast than 0.05;0.05-0.15;0.15-0.30;0.30-0.60;Over 0.60 sec/60 degrees

Torque : Up to 1.0;1.0-3.0;3.0-10.0;10-49;50-100;100-300;300-1000 KG/CM

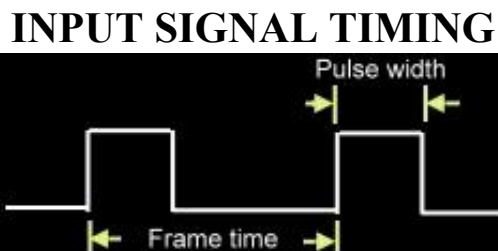
- Above is the spec. of small sized motors designed to be used in r/c models. We accept OEM to produce all kinds of torque and speed to fit all customers' purposes.

C. Operating temperature : -20°C ~ +60°C

D. Pulse width range (Frame time : 16-23 ms)

Max : 2.1 ms

Min : 0.9 ms



- Exceeding these parameters can cause the servo to jitter or run slowly.

E. Horn position (rotate angle)

The relationship between the income pulse width (time pulse) and probe position is as follows :

<u>Pulse width</u>	<u>Horn position</u>
0.8 ms	Safety zone for CW
0.9 ms	+60 degrees \pm 10° CW

1.5 ms	0 degree(center position)
2.1 ms	-60 degree \pm 10° CCW
2.2 ms	Safety zone for CCW

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