

# Bizchip Servo Motor Datasheet

Specification	Servo Motor Model			
	SV01	SV03	SV04	SV05
Gearbox Material	Plastic Gear	Metal Gear	Plastic Gear	Plastic Gear
Torque At 4.8V (Kgcm)	4.0	13.0	1.2	20.0
Torque At 6.0V (Kgcm)	4.5	14	1.6	22.0
Operating Voltage (VDC)	4.8-6.0	4.8-6.0	4.8-6.0	4.8-6.0
Operating Frequency (Hz)	40	40	40	40
Moving Range (degree)	0 – 180	0 – 120	0 – 180	0 – 90
Speed (sec/60 degree)	0.21	0.23	0.14 sec	0.28
Signal To Control Angle	TTL PWM	TTL PWM	TTL PWM	TTL PWM
PWM At Min Angle (ms)	0.5	0.5	0.5	0.5
PWM At Max Angle (ms)	2.5	2.5	2.5	2.5
Wiring (Brown Wire)	Ground	Ground	Ground	Ground
Wiring (Red Wire)	4.8V-6.0V	4.8V-6.0V	4.8V-6.0V	4.8V-6.0V
Wiring (Orange Wire)	PWM signal	PWM signal	PWM signal	PWM signal
Dimension (mm)	41 X 20 X 37	41 X 20 X 37	23 X 12 X 21	66 X 30 X 50
Weight (g)	40	57	9	134