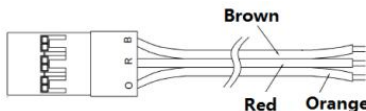
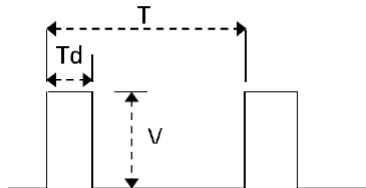
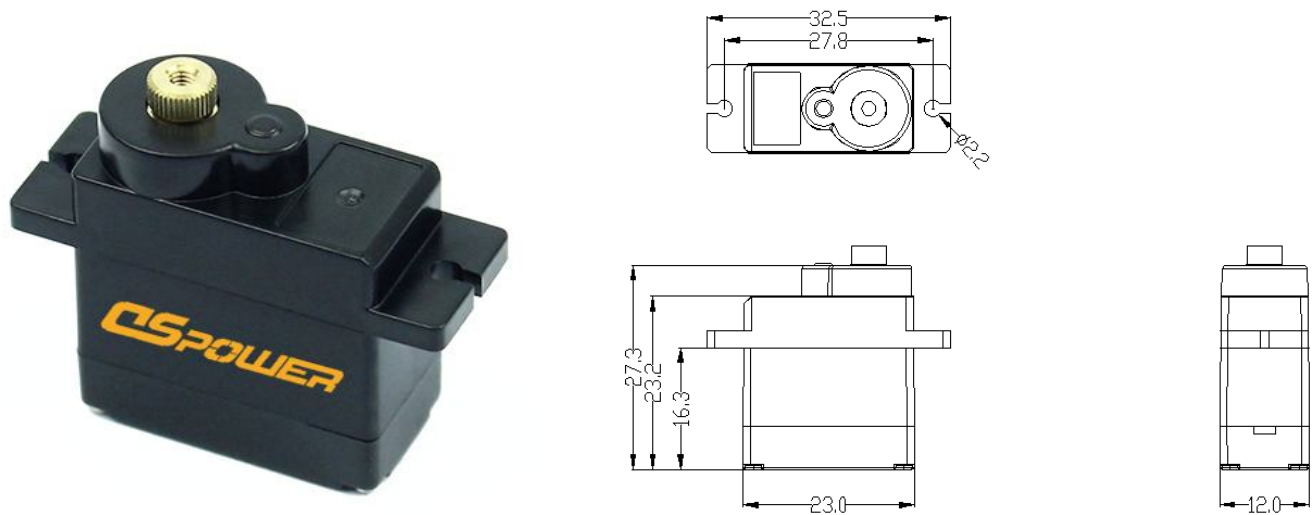


Item		Specification			Remarks	
1	Operating Voltage 工作电压	4.8~6V DC				
2	Standby Current 静态电流	≤10 mA				
3	Consumption Current* (No Load) 空载工作电流	4.8V	≡ 100mA			
		6.0V	≡ 110mA			
4	Stall Current 堵转电流	4.8V	≡ 1 A			
		6.0V	≡ 1.2 A			
5	Rated Torque 额定力矩	4.8V	≥0.9kgf.cm			
		6.0V	≥1 kgf.cm			
6	Max. Torque* 最大扭矩	4.8V	≥1.2kgf.cm			
		6.0V	≥1.5kgf.cm			
7	No Load Speed* 空载速度	4.8V	≡ 0.15sec/60°			
		6.0V	≡ 0.13sec/60°			
8	Rotating Direction 旋转方向	(1000→2000 us) 逆时针 (正向)				
9	Pulse Width Range 脉冲宽度范围	1000~2000us				
10	Neutral Position 中位	1500us				
11	Operating Travel Angle 操作角度	94° ±10° (1000~2000 us)				
12	Max. Operating Travel Angle 最大可操作角度	145° ±10° (700~2300 us)				
13	Mechanical Limit Angle 机械极限角度	210°				
14	Left & Right Travelling Angle Deviation 左右角度差	≤ 6°				
15	Centering deviation 回中差	≤ 1°				
16	Back Lash* 虚位	≤ 1°				
17	Dead Band Width 死区宽度	≤ 6 us				
18	Operating Temperature Range 工作温度	-10℃ ~ +50℃				
19	Storage Temperature Range 储存温度	-20℃ ~+60℃				
20	Operating Humidity Range 工作湿度	≤ 90%RH				
21	Storage Humidity Range 储存湿度	≤ 90%RH				
22	Weight 重量	13.5± 0.5g				
23	Case Material 外壳材质	ABS				
24	Gear Set Material 齿轮材质	Metal 金属齿轮				
25	Reduction ratio 减速比	1/324				
26	Motor Type 马达类型	Core motor 铁芯马达				
27	VR Parameter 电位器参数	Type 类型	Carbon-Film Potentiometer			
		Angle 角度	210°			
		Life 寿命	100 0000Cycles Min			
28	Cable 电缆	Material 材质	Φ1.08,19 芯 PVC			
		Length 长度	180±5mm (外露不含插头)			
29	Horn Gear Spline 摇臂齿数	40T/Φ4.85mm				
30	Horn Gear Type 摇臂类型	见附图				
31	Rocker Arm Screw 摇臂螺丝	PM2.0x5mm 镀镍				
32	Connector 连接器	Type 类型	JR/3Pin/棕红橙/2.54mm			
		Pin Assignment 引脚定义	1	Orange		Signal / PWM
			2	Red		Vcc
33	Communication Interface 通信协议	PWM			Signal Voltage: V	HIGH : Min,2.0V , Max. Vcc
						LOW : Min,0.0V , Max.0.45V
					Frame Rate: T	3.0 ~ 30ms (Default 20ms)
					Left/Center/Right: Td	1000/1500/2000us
			Resolution	-		
						
34	Amplifier Type 放大器类型	Digital				

Outside Dimension: (Unit: mm)



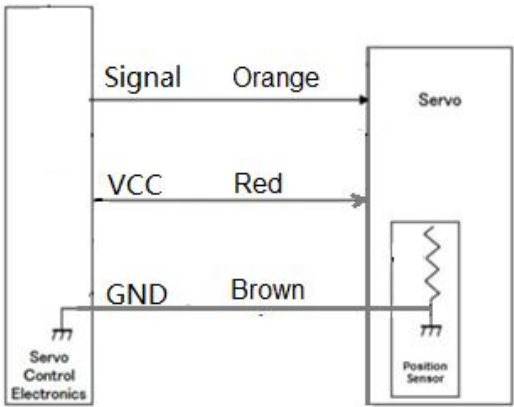
Picture 1-1

Accessories:



Picture 1-2

Electrical Schematic Diagram :



Picture 1-2

Remarks:

* At 23±5℃ (Initial Performance Data)

(抽样计划Sample Plan:

外观Appearance: MIL-STD-105E AQL II (MA=0.65/MI=1.0)

尺寸及功能Dimension and Function: MIL-STD-105E AQL I (MA=0.65/MI=1.0))