

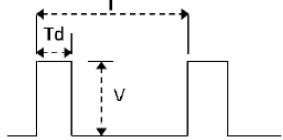


	Item	Specification		Remarks		
1	Operating Voltage	4.8~6.0V DC				
2	Standby Current	≦ 6 mA				
3	Consumption Current* (No Load)	4.8V	≦ 200 mA			
		6.0V	≦ 210 mA			
4	Stall Current	4.8V	≦ 1.4 A			
		6.0V	≦ 1.8 mA			
5	Rated Torque	4.8V	≧ 1.7 Kgf.cm			
		6.0V	≧ 2 Kgf.cm			
6	Max. Torque*	4.8V	≧ 2.6 Kgf.cm			
		6.0V	≧ 3.5 Kgf.cm			
7	No Load Speed*	4.8V	≦ 0.13 Sec/60°			
		6.0V	≦ 0.11 Sec/60°			
8	Rotating Direction	CW (2000→1000 us)				
9	Pulse Width Range	700~2300 us				
10	Neutral Position	1500 us				
11	Operating Travel Angle	90° ± 10° (1000→2000 us)				
12	Max. Operating Travel Angle	145° ± 10° (700→2300 us)				
13	Mechanical Limit Angle	210°				
14	Left & Right Travelling Angle Deviation	≦ 6°				
15	Centering Deviation	≦ 1°				
16	Back Lash*	≦ 1°				
17	Dead Band Width	≦ 4 us				
18	Operating Temperature Range	-10°C~+50°C				
19	Storage Temperature Range	-20°C~+60°C				
20	Operating Humidity Range	≦ 90%RH				
21	Storage Humidity Range	≦ 90%RH				
22	Weight	18.5 ± 0.3g				
23	Case Material	PA66 + 30%				
24	Gear Set Material	Plastic gear				
25	Reduction Ratio	248:1				
26	Motor Type	Core motor				
27	VR Parameter	Type	Carbon-Film Potentiometer			
		Angle	210 ± 5°			
		Life	10000 Cycles Min			
28	Cable	Material	#26 PVC			
		Length	210 ± 10mm			
29	Horn Gear Spline	21T/Φ4.82mm				
30	Horn Gear Type	-				
31	Rocker Arm Screw Type	PB2.3 x 6mm				
32	Connector	Type	JST 1.25mm-5P			
		Pin Assignment	1	Black		M-
			2	Red		M+
			3	White		VR-GND
			4	Orange		VR-Feedback
5	Brown		VR-VDD			
33	Control Signal Type	PW/M	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	2300/1500/700 us		
			Resolution	-		
						
34	Amplifier Type	Digital				

Outside Dimension: (Unit: mm)

