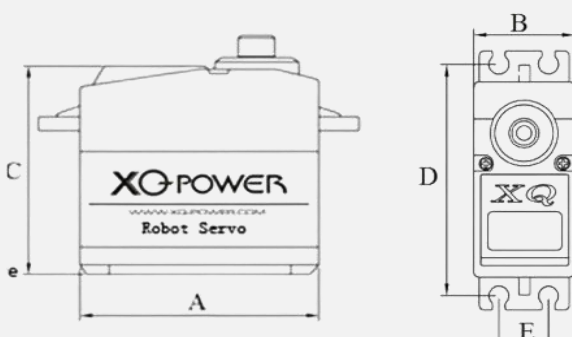
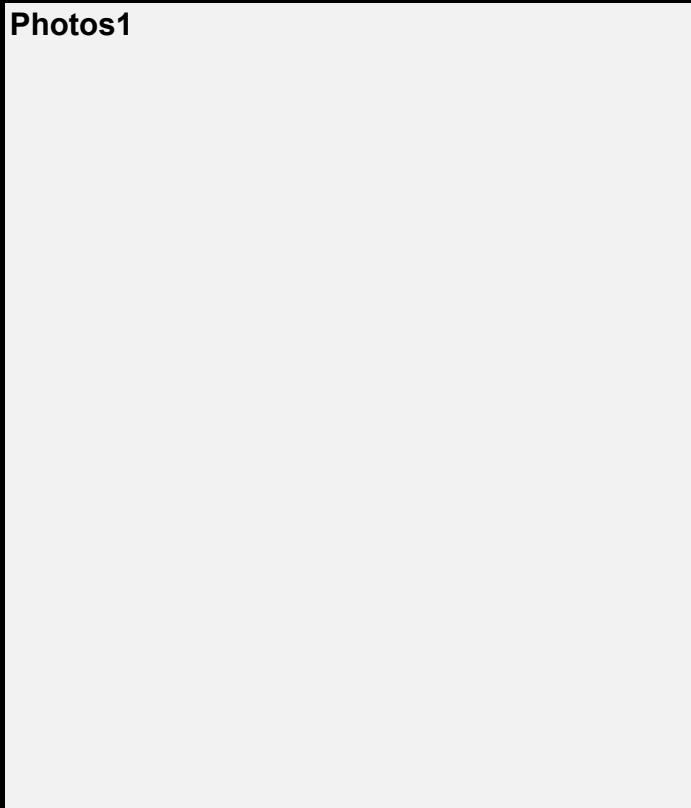


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO	N/D.2011.2.1	
						VER	RS4_420.01	
						Page.	P.1	
						Prepare Date	20110201	
GSN	XQ-4S	Product Name	XQ-POWER 6V13kg-cm Digital Servo	Model	XQ-RS420	Material	Aluminium middle hull	
Process flow				CNC / industry testing torque				
SIZE OF THE DRAWINGS 				Control Specifications				
				NO. Standard Test Environment				
				1-1 Temperature range		25°C±5°C		
				1-2 Humidity range		65%±10%		
				NO. Apply Environmental Condition				
				2-1 Storage Temperature Range		-30°C ~ 80°C		
				2-2 Operating Temperature Range		-25°C ~ 70°C		
				NO. Mechanical Specification				
				3-1 Servo Dimensions		40.2*20.1*38.8*48*10mm		
				3-2 Servo Weight		56g		
				3-3 Servo Gear		Titanium Gear		
				3-4 Angle of limit		210°±5°		
				3-5 Servo Bearing		2 Ball bearings		
				3-6 Output force shaft		25T		
				3-7 Servo arm		Plastic, POM		
				3-8 Case Material		Aluminium middle hull		
				3-9 Servo line		300mm±5mm		
3-10 Built-in motor		Coreless motor						
3-11 Splash water resistance		Yes						
Electrical Specification								
NO. Test Operating Voltage Range								
4-1 Work Voltage		6.0 V						
4-2 No load speed		0.15 sec/60°						
4-3 Runnig current (no load)		160 mA						
4-4 Peak stall torque		18.5 kg.cm						
4-5 Stall current		2600 mA						
Work Voltage		7.2 V						
4-6 No load speed		0.13 sec/60°						
4-7 Runnig current (no load)		180 mA						
4-8 Peak stall torque		21.8 kg.cm						
4-9 Stall current		2950 mA						
Work Voltage								
4-10 No load speed								
4-11 Runnig current (no load)								
4-12 Peak stall torque								
4-13 Stall current								
Make table		CHECK	APPROVE					
MR.ZHONG		MR.LIU	Manager.ZHOU					

The Drawings	
Photos1	
	
Photos2	

AQL

Shenzhen XQPOWER Technology Co., LTD  Product Inspection Specification						DOCUMENT NO	N/D.2011.2.1
						VER	RS4_420.01
						Page.	P.2
						Prepare Date	20110201
GSN	XQ-4S	Product Name	XQ-POWER 8.4V13kg-cm Digital Servo	Model	XQ-RS420	Material	Aluminium middle hull
Control Specification							
Test display diagram				EMPHASIS			
Photos1 				NO.	Item	Specification	AQL
				5-1	Command signal	PWM	
				5-2	Amplifier type	Digital Controller	
				5-3	Pulse width range	500~2500 μsec	
				5-4	Neutral position	1500 μsec	
				5-5	Running degree	180° (when 500~2500μsec)	
				5-6	Dead band width	2 μsec	
				5-7	Rotating direction	CCW (when 1000~2000μsec)	
				Appearance inspection			
				NO.	QC details		
				5-7	Material qualified		
				5-8	Gear structure qualified		
				5-9	Function qualified		
				5-10	Use data qualified		
				Accessories			
Photos1 				NO.	Other		
6-1							
6-2							
6-3							
6-4							
Other Accessories							
7-1	Plastic arm bag						
7-2	Screw						
7-3	Metal arm (additional purchase)						
							
Reference opinions of all departments: Agree							
Make table		CHECK	APPROVE				
MR.ZHONG		MR.LIU	Manager.ZHOU				