

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2009.10.08															
						VER		X4_4016.01															
						Page.		P.1															
						Prepare Date		20091010															
GSN		XQ-4S		Product Name		XQ-POWER 6V16kg-cm Digital Servo		Model		XQ-S4016D		Material		Aluminium middle hull									
Process flow								CNC / industry testing torque															
SIZE OF THE DRAWINGS								Control Specifications								AQL							
								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															
The Drawings								Electrical Specification															
Photos1								NO. Test Operating Voltage Range															
								4-1 Work Voltage								6.0 V							
								4-2 No load speed								0.14 sec/60°							
								4-3 Runnig current (no load)								115 mA							
								4-4 Peak stall torque								14.8 kg.cm							
								4-5 Stall current								1150 mA							
								Work Voltage								7.2 V							
								4-6 No load speed								0.13 sec/60°							
								4-7 Runnig current (no load)								130 mA							
								4-8 Peak stall torque								15.5 kg.cm							
								4-9 Stall current								1340 mA							
								Work Voltage								8.4 V							
								Photos2								4-10 No load speed							
								4-11 Runnig current (no load)								135 mA							
								4-12 Peak stall torque								17.5 kg.cm							
								4-13 Stall current								2100 mA							
								Make table				CHECK				APPROVE							
								MR.ZHONG				MR.LIU				Manager.ZHOU							

AQL

Shenzhen XQPOWER Technology Co., LTD  Product Inspection Specification						DOCUMENT NO	N/D.2009.10.08
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						Prepare Date	20091010
GSN	XQ-4S	Product Name	XQ-POWER 6V16kg-cm Digital Servo	Model	XQ-S4016D	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	700~2300 μsec	
				5-4	Neutral position	1500 μsec	
				5-5	Running degree	110° (when 900~2100 μsec)	
				5-6	Dead band width	2 μsec	
				5-7	Rotating direction	CCW (when 1000~2000 μsec)	
				Appearance inspection			
				NO.	QC details		
				5-7	Material qualified		
				5-8	Gear structure qualified		
				5-9	Function qualified		
				5-10	Use data qualified		
				Accessories			
5-11	Pass the test						
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				