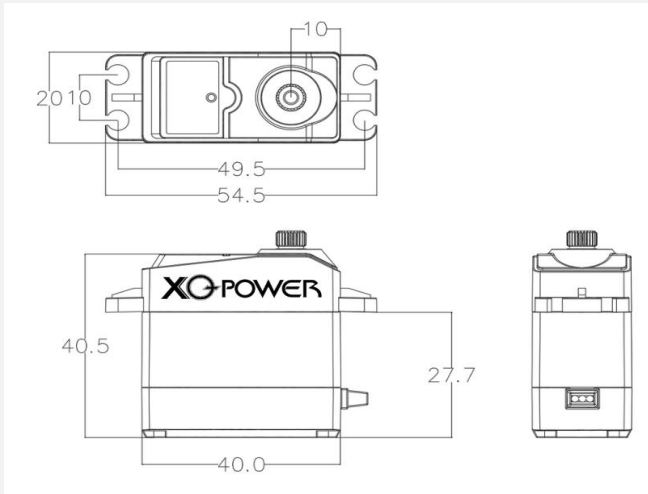


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2012.6.23									
						VER		X3_3218.02									
						Page.		P.1									
						Prepare Date		20120629									
GSN		XQ-3S		Product Name		XQ-POWER 6.8V20kg-cm Digital Servo		Model		XQ-S3218M		Material		Aluminium middle hull			
Process flow								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*20*40.5 mm					
								3-2		Servo Weight		60g					
								3-3		Servo Gear		Metal Gear					
								3-4		Angle of limit		No					
								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					
								The Drawings									
Photos1 								3-11		Splash water resistance		IP66					
								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)		180 mA					
								4-4		Peak stall torque		18 kg.cm					
								4-5		Stall current		2600 mA					
										Work Voltage		7.4 V					
								4-6		No load speed		0.13 sec/60°					
								4-7		Runnig current (no load)		210 mA					
								4-8		Peak stall torque		20 kg.cm					
								4-9		Stall current		3000 mA					
Photos2										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					

Shenzhen XQPOWER Technology Co., LTD  Product Inspection Specification						DOCUMENT NO	N/D.2012.6.23
						VER	X3_3218.02
						Page.	P.2
						Prepare Date	20120629
GSN	XQ-3S	Product Name	XQ-POWER 6.8V20kg-cm Digital Servo	Model	XQ-S3218M	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 500~2500 μsec)	
				5-6	Dead band width	3 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							
Photos1 				NO.	Other	AQL	
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					