

应用场景 Application



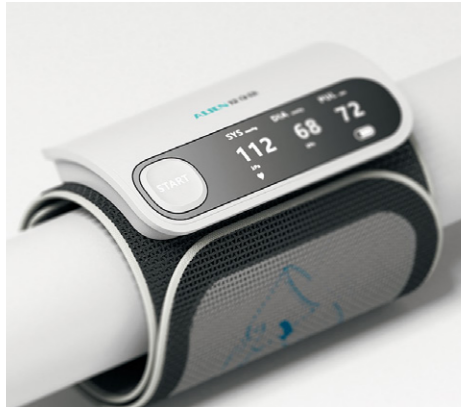
● 数码通讯 Digital communication



● 5G应用 5G Application



● 工业控制 Industrial Control



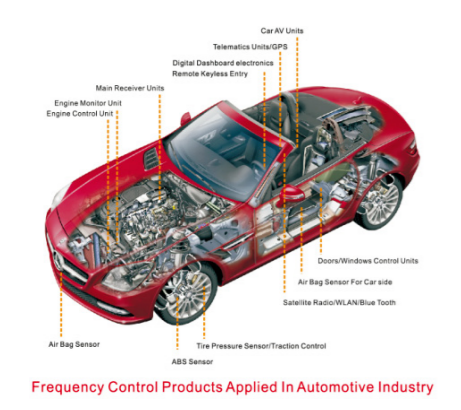
● 医疗设备 Medical Equipment



● 航天/雷达 Space / Radar



● IOT.物联网家居 IOT.Smat Home



● 汽车电子 Automotive



● 电脑及周边 Computer Electronic Circuit



● 智能穿戴 Smart Wearables

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浙江一晶科技股份有限公司 ZHEJIANG A-CRYSTAL ELECTRONIC TECHNOLOGY CO., LTD.

石英晶振、时钟模块、原子钟
CRYSTAL, CLOCK-MODULE, ATOMIC CLOCK

公司简介 Company Profile

浙江一晶科技股份有限公司创建于2008年, 是一家集高端石英晶振、时钟模块和原子钟等时频产品和解决方案的研发、制造和销售于一体的国家高新技术企业。

晶体谐振器产品类型, 从1.6*1.2*0.35mm至12.5*4.6*3.8mm各种尺寸封装, 可提供32.768KHz至125MHz的频率范围, 并可提供不同规格精度来满足客户的各种应用需求。

晶体振荡器产品类型包括普通振荡器(Oscillator)、压控晶体振荡器(VCXO)、温补晶体振荡器(TCXO)、恒温晶体振荡器(OCXO)。振荡器产品尺寸从1.0*1.2*1.6mm至50*50*15mm。输出模式包括CMOS、PECL、LVDS、LVPECL、CLIPPED SINE, 可提供32.768KHz至800MHz的频率范围, 并可提供普通至高精度振荡器不同参数规格以满足客户各种应用需求。

时钟模块产品系列保持能力优于±1.5us/24h, 广泛应用于电力、时钟参考、基站、广播和雷达等。

铷/铯原子钟、CPT原子钟、芯片原子钟系列, 采用业界领先的时频科研能力和方案, 为信息制造业及物联网提供计时、守时、授时的时基坐标, 提供电子系统运行的时间基准。

公司以“同频、共振、匠心、创新”为价值观, 以“从事频控与功率元器件制造, 引领全球信息产业”为使命, 坚持“技术创新、顾客满意、循序渐进、永续发展”的经营理念, 与客户共同发展共创未来。

Zhejiang A-Crystal Technology Co., Ltd. was founded in 2008. is a national high-tech enterprise integrating the research and development, manufacturing and sales of high-class quartz crystal oscillators, clock modules and atomic clocks, and other time-frequency products and solutions.

Crystal resonator products, from 1.6*1.2*0.35mm to 12.5*4.6*3.8mm in various sizes and packages. A frequency range of 32.768KHz to 125 MHz is available. And can provide different specifications accuracy to meet the various application needs of customers.

Crystal oscillator product types include ordinary oscillators (Oscillator), voltage-controlled crystal oscillators (VCXO), temperature-compensated crystal oscillators (TCXO), and oven-controlled crystal oscillators (OCXO). Oscillator product size ranges from 1.0*1.2*1.6mm to 50*50*15mm. Output modes include CMOS、PECL、LVDS、LVPECL、CLIPPED SINE. Available frequency range from 32.768KHz to 800MHz. And provide different parameter specifications of common to high-precision oscillators to meet customers' various application requirements.

The clock module product family maintains an accuracy of better than ±1.5 microseconds over 24 hours, and is widely used in power grids, clock references, base stations, broadcasting, and radar systems.

The Rubidium/Caesium atomic clocks, CPT atomic clocks, and chip-scale atomic clocks utilize industry-leading time and frequency research capabilities and solutions, providing timing, timekeeping, and time dissemination reference coordinates for the information manufacturing industry and the Internet of Things (IoT), offering the time basis for the operation of electronic systems.

Company takes "co frequency, resonance, ingenuity, and innovation" as the value, "engaged in frequency control device manufacturing, leading the development of China's frequency control industry to make technical contributions" as the mission, adhere to the "technology innovation, customer satisfaction, step by step, sustainable development" business philosophy, and common development with customers to create a better future.



TUNNING FORK CRYSTAL UNIT (音叉晶体谐振器KHZ)



TYPE	PACKAGE	MODEL	FREQ.RANGE	FEATURE
	1.2*1.0*0.35mm	NEW PSX1210	32.768KHz	<ul style="list-style-type: none"> ·高精度 ·精密温差 ·超小尺寸 ·SMD表晶 ·AECQ200认证 ·High precision ·Tight tolerance ·Ultra smaller size ·SMD Watch crystal ·AECQ200 Authentication
	1.6*1.0**0.5mm	PSX1610		
	2.0*1.2*0.6mm	PSX215		
	3.2*1.5*0.9mm	PSX315		
	4.1*1.5*0.9mm	PSX415		
	6.9*1.4*1.3mm	PMX145	28.000KHz~100KHz (32.768KHz)	<ul style="list-style-type: none"> ·SMD表晶 ·高精度+-5ppm ·高锡铅,符合Rohs的回流焊 ·可定制无铅高温产品 ·SMD watch crystal ·High precision+-5ppm ·Containing high lead, suitable for Rohs compliant reflow ·Can customize lead-free high-temperature products
	8.0*3.8*2.5mm	PMX206		
	10.4*4.6*3.6mm	PMX405 PMX406		
	9.0*2.54*2.0mm 8.3*2.54*1.3mm	PMX206F	28.000KHz~307.200KHz (32.768KHz)	<ul style="list-style-type: none"> ·圆柱型晶体 ·低功耗 ·Cylindrical crystal ·Low power consumption
	9.0*2.54*2.2mm	PMX206FA		
	Φ3*8/3*9/3*10mm	DTLF308 ATLF308	28.000KHz~307.200KHz (32.768KHz)	<ul style="list-style-type: none"> ·圆柱型晶体 ·低功耗 ·Cylindrical crystal ·Low power consumption
	Φ2*6mm	DTLF206 ATLF206		
	7.5*3.1*2.3mm	NEW PMX307	32.768KHz	<ul style="list-style-type: none"> ·SMD表晶 ·SMD Watch crystal

CRYATAL OSCILLATOR (TCXO/VCXO/VC-TCXO石英晶体振荡器)

TYPE	PACKAGE	MODEL	FREQ.RANGE	FEATURE
	1.6*1.2*0.59mm	PTC1612 PVC1612	9.600MHz ~52.000MHz	<ul style="list-style-type: none"> ·超小尺寸 ·低工作电压 ·低抖动 ·低待机电流 ·低电流消耗 ·Ultra smaller size ·Low operation voltage ·Low jitter ·Low standby current ·Low current consumption
	2.0*1.6*0.8mm	PTC2016 PVC2016		
	2.5*2.0*0.8mm	PTC2520 PVC2520		
	3.2*2.5*0.9mm	PTC3225 PVC3225	(32.768KHz)	
	5.0*3.2*1.4mm	PTC5032 PVC5032	10.000MHz ~800.000MHz	
	7.0*5.0*1.9mm	PTC7050 PVC7050		
	14.22*9.19*4.7mm	PV8F PV8M		

CRYSTAL UNIT (石英晶体谐振器MHZ)



TYPE	PACKAGE	MODEL	FREQ.RANGE	FEATURE
	1.6*1.2*0.4mm	P15B	6.000MHz~125.000MHz	<ul style="list-style-type: none"> ·超小型 ·高稳定性 ·高精度 ·精密温差 ·AECQ200认证 ·Ultra smaller size ·High stability ·High precision ·Tight tolerance ·AECQ200 Authentication
	2.0*1.6*0.59mm	P25BA		
	2.5*2.0*0.5mm	P25B		
	3.2*2.5*0.7mm	P35B		
	5.0*3.2*0.8mm	P55B		
	6.0*3.5*0.59mm	P65B		
	7.0*5.0*0.7mm	P75B		
	5.0*3.2*1.0mm	P5FA	7.000MHz~70.000MHz	<ul style="list-style-type: none"> ·高稳定性 ·高精度 ·精密温差 ·High stability ·High precision ·Tight tolerance
	6.0*3.5*1.0mm	P6FA		
	8.0*4.5*1.6mm	P8FA		
	11.0*4.6*3.3mm	HC-495	3.579545MHz~75.000MHz	<ul style="list-style-type: none"> ·高精度 ·电阻焊接 ·最大牵引度 ·宽频率范围 ·高温高精度 ·High precision availability ·Resistance welded ·Ideal for large pullability application ·Wide frequency rane ·Tight stability & extended temperature
	7.0*4.0*2.0mm	HC-495SMD		
	11.5*5.0*13.46mm	HC-49U	1.8432MHz~200.000MHz	
	8.0*3.8*2.5mm	NEW PMX206	7.328MHz~54.000MHz	
	12.5*4.6*3.8mm	PMX308	3.579545MHz~75.000MHz	
	13.3*4.7*3.9mm	HC-495SMD (3leads)		
	13.3*4.7*3.9mm	HC-495SZ (6leads)		
	11.5*5.0*3.5mm	HC-M495J		

CRYSTAL OSCILLATOR (SPXO石英晶体振荡器)



TYPE	PACKAGE	MODEL	FREQ.RANGE	FEATURE
	1.6*1.2*0.59mm	POSC1612	1.500KHz~52.000MHz	<ul style="list-style-type: none"> ·超小型 ·低工作电压 ·低抖动 ·低待机电流 ·低电流消耗 ·Ultra smaller size ·low operation voltage ·Low jitter ·Low standby current ·Low current consumption
	2.0*1.6*0.8mm	POSC2016		
	2.5*2.0*0.8mm	POSC2520	32.678KHz~125.000MHz	
	3.2*2.5*0.9mm	POSC3225		
	5.0*3.2*1.4mm	POSC5032	13.700KHz~167.000MHz	
	7.0*5.0*1.9mm	POSC7050		

CLOCK PRODUCT/ATOMIC CLOCK (时钟模块、铯/铷原子钟)

TYPE	PACKAGE	MODEL	FREQ.RANGE	FEATURE
	20*20*13mm	KM2020	10.000MHz	<ul style="list-style-type: none"> ·小尺寸 ·保留时间:1.5 US/8小时 ·Small size ·Retention time:1.5US/8Hour ·高维持:≤5E-12/24h ·高稳定性:≤7E-12/100s ·High maintenance:≤5E-12/24h ·High stability:≤7E-12/100s

OVEN CONTROLLED CRYSTAL OSCILLATOR(OCXO石英晶体振荡器)

TYPE	PACKAGE	MODEL	FREQ.RANGE	FEATURE
	9.7*7.5*4.1mm	POC9775	10.000MHz ~40.000MHz	<ul style="list-style-type: none"> ·限幅正弦波 ·低功耗 ·高稳定性 ·低老化:20年内最高4.6 ppm ·Clipped Sine Wave ·Low power consumption ·High stability ·Low aging: 4.6 ppm max for 20 years
	14*9.0*6.5mm	POC1490		
	25.4*22.1*11mm	POC2522	10.000MHz~100.000MHz	<ul style="list-style-type: none"> ·CMOS ·低功耗 ·快速预热 ·低老化:20年内最高4.6 ppm ·High stability ·Low noise ·Rapid constant temperature
	20.4*12.8*11mm	POC2012		
	20.6*20.6*12.8mm	POC2020	5.000MHz ~120.000MHz	<ul style="list-style-type: none"> ·高稳定性 ·低噪声 ·标准DIP封装 ·High stability ·Low noise ·Standard DIP package
	25.4*25.4*12.8mm	POC2525		
	36.3*27.4*15mm	POC3627		