

High Frequency / Low Noise VCISO Defence Equipment, Aviation, Measurement, Other Communication Equipment

Model	Dimension(mm)	Frequency	Freq. Stability	Operating Temp. Range	(ARP)	Phase Noise(dBc/Hz)			Reference Freq.
						@1KHz	@10KHz	@1MHz	
RSV2522	25 x 22 x 5	0.5~2GHz	±100ppm	-40~+85°C	>500ppm	-110	-138	-170	1.0GHz
Please contact us if you have a specific requirement that is not on the list.									

High Reliable Space VCISO Space Synthesizer & Transponder, FGUs, GNSS Receiver, Down&Up Converter

Model	Dimension(mm)	Frequency	Freq. Stability	Operating Temp. Range	(ARP)	Aging
TE200	20 x 20 x 13	10~40MHz	±10~15ppm	-20~+70°C	±40~70ppm	±5ppm/15年
RVX2213S	22 x 13 x 4.8	0.032~40MHz	±50ppm	-30~+60°C	±200ppm Min.	±5ppm/初年 (以降±2ppm/年)
RVX3520S	35 x 20 x 10	0.032~94MHz	±15ppm	-30~+60°C	±40ppm Min.	±1ppm/年
RK205	5 x 3.2 x 1.2	5~1,500MHz	±30~50ppm	-55~125°C	±50ppm Min.	±50ppm/15年
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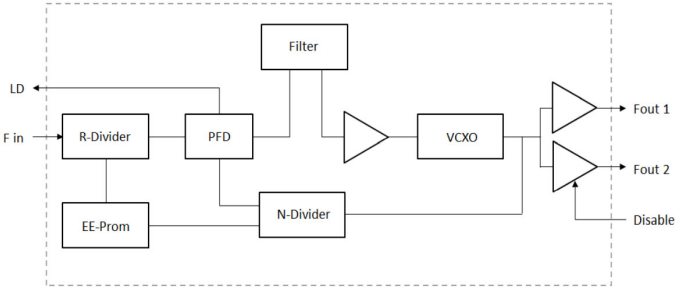
High Stable CLOCK Module

Model	Dimension(mm)	Frequency	Freq. Stability	Operating Temp. Range	Aging	Waveform	Phase Noise(dBc/Hz)		
							@10Hz	@1KHz	@1MHz
CM65	65 x 65 x 19	10MHz	$\pm 1.5 \mu s/24h$ @T= $\pm 30^{\circ}C$	-20~+75°C	< $\pm 0.2ppb/日$ < $\pm 10ppb/年$	HCMOS	-125	-150	-155
CM66	60 x 60 x 13	10MHz	$\pm 1.5 \mu s/24h$ @T= $\pm 5^{\circ}C$	-20~+75°C	< $\pm 0.2ppb/日$ < $\pm 10ppb/年$	HCMOS	-90	-140	-155
CM55	51 x 51 x 13	10MHz	$\pm 1.5 \mu s/24h$ @T= $\pm 10^{\circ}C$	-20~+75°C	< $\pm 0.2ppb/日$ < $\pm 10ppb/年$	HCMOS	-118	-148	-150
CM35P	35 x 40 x 13	10MHz	$\pm 1.5 \mu s/8h$ @T= $\pm 5^{\circ}C$	-20~+75°C	< $\pm 50ppb/年$	HCMOS		-148	
CM22B	20 x 20 x 13	10MHz	$\pm 1.5 \mu s/8h$ @T= $\pm 5^{\circ}C$	-20~+75°C	< $\pm 50ppb/年$	HCMOS	-118	-148	-150
CM11T	10 x 10 x 2.2	10MHz	$\pm 5\mu s/1h@$ $\Delta T = \pm 2^{\circ}C$	-40~+85°C		HCMOS		-138	
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Jitter Attenuator Frequency Synthesizer

Next Generation Communication Network(5G, IEEE Front/Backhole) 、 Low Noise Radar、 Data Link

Model	Dimension(mm)	Frequency	Freq. Stability	Operating Temp. Range	ROCK RANGE	Jitter (12KHz~20MHz)	Phase Noise(dBc/Hz)		
							@100Hz	@10KHz	@1MHz
VFJA9591C	9.5 x 9.1 x 3.5	10~200MHz	10~160MHz	-40~+85°C	± 150ppm	<50MHz:190fs, <100MHz:85fs	-115(25MHz)	-153(25MHz)	-161(25MHz)



Block Diagram

Low RMS Jitter SPXO

ETHERNET(10G, 25G, 40G, 100G), High Speed ADC/DAC/SERDES, Data Centre, WLAN, PCIe, Optical Module, Defence Equipment

Model	Dimension(mm)	Frequency	Freq. Stability	Operating Temp. Range	RMS Phase Jitter	Supply Voltage	Waveform
RXG1490L	14 x 9 x 3	1~2.2GHz	± 20ppm	-40~+85°C	46fs Typ. @1GHz; 10KHz~20MHz	3.3V	
RXO5032M	5.0 x 3.2 x 1.2	8~800MHz	± 15~50ppm	-40~+85°C	0.1ps; 12KHz~20MHz	2.5V	
RXO7050M	7.0 x 5.0 x 1.6	8~800MHz	± 15~50ppm	-40~+105°C	0.1ps; 12KHz~20MHz	3.3V	
RXO2520P	2.5 x 2.0 x 0.8	8~1,500MHz	± 25~50ppm	-40~+85°C	0.5ps; 12KHz~20MHz	2.5 / 3.3V	
RXO5032P	5.0 x 3.2 x 1.2	8~1,500MHz	± 25~50ppm	-40~+85°C	0.5ps; 12KHz~20MHz	2.5 / 3.3V	
RXO7050P	7.0 x 5.0 x 1.6	8~1,500MHz	± 25~50ppm	-40~+85°C	0.5ps; 12KHz~20MHz	2.5 / 3.3V	
RXO2520R	2.5 x 2.0 x 0.8	8~1,500MHz	± 25~50ppm	-40~+85°C	1ps; 12KHz~20MHz	2.5 / 3.3V	
RXO7050R	7.0 x 5.0 x 1.6	8~1,500MHz	± 25~50ppm	-40~+85°C	1ps; 12KHz~20MHz	2.5 / 3.3V	
643H	3.2 X 2.5 X 1.2	13.5~156.25MHz	± 25ppm	-40~+105°C	0.5ps; 12KHz~20MHz	2.5 / 3.3V	HCSL
645H	5 x 3.2 x 1.4	13.5~160MHz	± 25ppm	-40~+105°C	0.5ps; 12KHz~20MHz	2.5 / 3.3V	HCSL
634C	3.2 X 2.5 X 1.1	10~250MHz	± 25ppm	-40~+85°C	0.6ps; 12KHz~20MHz	2.5 / 3.3V	HCMOS
654C	5 x 3.2 x 1.2	10~250MHz	± 25ppm	-40~+85°C	0.6ps; 12KHz~20MHz	2.5 / 3.3V	HCMOS
634PL	3.2 X 2.5 X 1.1	10~800MHz	± 25ppm	-40~+85°C	0.5ps; 12KHz~20MHz	2.5 / 3.3V	LVPECL/LVDS
654PL	5 x 3.2 x 1.2	10~800MHz	± 25ppm	-40~+85°C	0.5ps; 12KHz~20MHz	2.5 / 3.3V	LVPECL/LVDS
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High Reliable Space & Defence SPXO

Model	Dimension(mm)	Frequency	Freq. Stability	Operating Temp. Range	Aging	Supply Voltage	Waveform
RXO5032AD	5.0 x 3.2 x 1.2	5~1500MHz	± 30ppm	-55~+125°C	± 10ppm/10年	2.5 / 3.3V	CMOS
QEN55	20.7 x 13.1 x 5.1	1.5~100MHz	± 20ppm	-55~+125°C	± 5ppm/年@45°C	3.3 / 5.0V	AHCMOS
QEN49	20.7 x 13.1 x 5.1	1.5~100MHz	± 20ppm	-55~+125°C	± 5ppm/年@45°C	3.3 / 5.0V	AHCMOS
ESCC3503001	15 x 20 x 3.6	4~100MHz	± 30ppm	-55~+110°C	± 15ppm/18年	3.3 / 5.0V	ACMOS/AHCMOS
RK115JL2	14 x 9 x 3.8	2~100MHz	± 30ppm	-40~+110°C	± 15ppm/18年	3.3 / 5.0V	AHCMOS
RK115FP4	13 x 10 x 3	2~100MHz	± 30ppm	-40~+110°C	± 15ppm/18年	3.3 / 5.0V	AHCMOS
RK115FP3	16 x 16 x 3.6	2~100MHz	± 30ppm	-40~+110°C	± 15ppm/18年	3.3 / 5.0V	AHCMOS
RK115FP2	16 x 16 x 3.8	2~100MHz	± 30ppm	-40~+110°C	± 15ppm/18年	3.3 / 5.0V	AHCMOS
RK115FP1	15 x 20 x 3.6	2~100MHz	± 30ppm	-40~+110°C	± 15ppm/18年	3.3 / 5.0V	AHCMOS
RK115DIL1	20 x 13 x 5	2~100MHz	± 30ppm	-40~+110°C	± 15ppm/18年	3.3 / 5.0V	AHCMOS
RXO2213S	22 x 13 x 4.8	0.256~52.5MHz	± 50ppm	-55~+125°C	± 3ppm/年	3.3 / 5.0V	HCMOS
RK105	5.0 x 3.2 x 1.2	8~200MHz	± 30ppm	-55~+125°C	± 15ppm/10年	2.5 / 3.3V	CMOS
626	2.5 x 2.0 x 1.1	6~200MHz	± 20ppm	-40~+105°C	± 5ppm/1年	1.8 / 2.5 / 3.3V	LVPECL/LVDS
CHT25	2.5 x 2.0 x 1.0	1.25~156.25MHz	± 100ppm	-55~+125°C	± 5ppm/1年	1.8 / 2.5 / 3.3V	HCMOS
CHT32	3.2 x 2.5 x 1.2	1.25~156.25MHz	± 100ppm	-55~+125°C	± 5ppm/1年	1.8 / 2.5 / 3.3V	HCMOS
CHT50	5 x 3.2 x 1.3	1.25~156.25MHz	± 100ppm	-55~+125°C	± 5ppm/1年	1.8 / 2.5 / 3.3V	HCMOS
CHT70	7 x 5 x 1.8	1.25~156.25MHz	± 100ppm	-55~+125°C	± 5ppm/1年	1.8 / 2.5 / 3.3V	HCMOS
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