

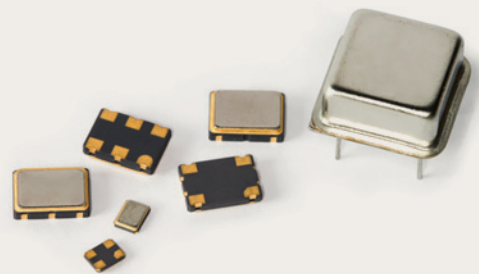
# HM INTERNATIONAL

Frequency Technology

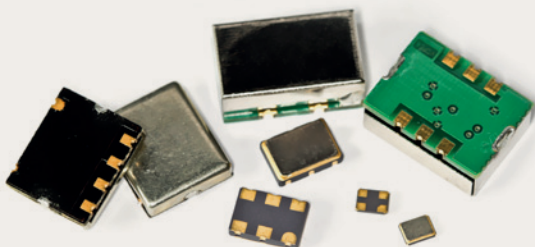
## PRODUCT OVERVIEW



CRYSTALS



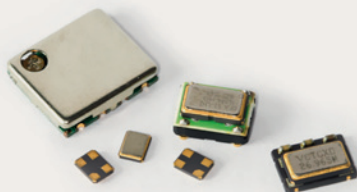
OSCILLATORS



VCXO



TCXO



VCTCXO

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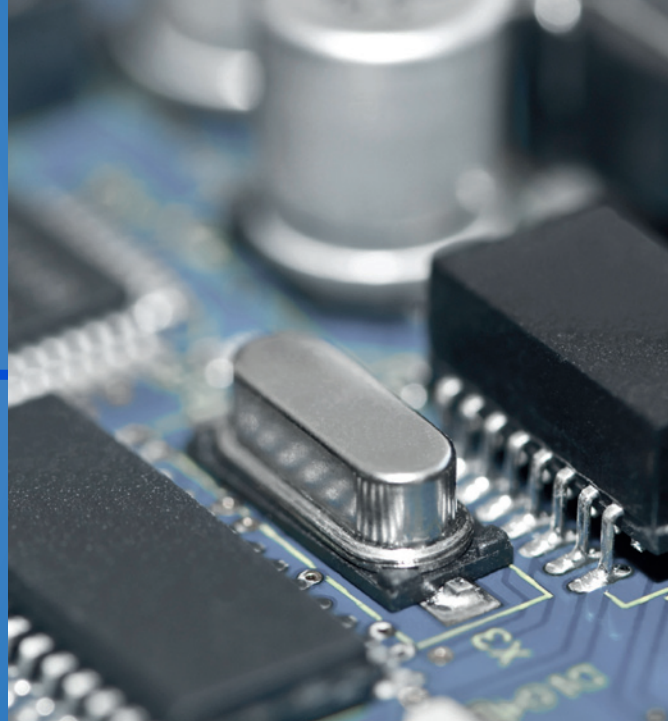
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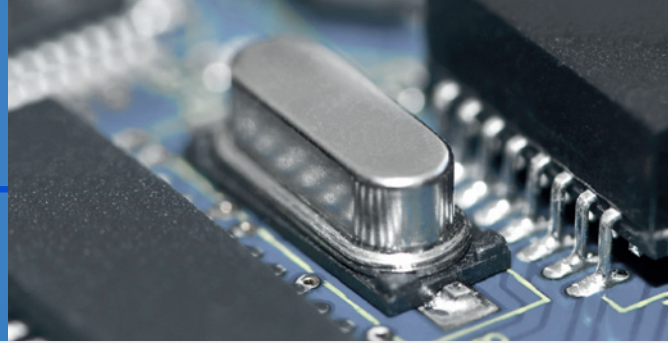
HM International manufacture a wide range of quartz crystals to suit virtually all applications, including high frequency, low frequency and small SMD miniature packages. We also stock crystals in most popular package styles, frequencies and specifications for quick delivery.



## CRYSTALS

### SMD CRYSTALS

Product	Dimensions	Frequency Range
 X16	1.6 × 1.2 × 0.40 mm	26 – 54 MHz
 X20	2.0 × 1.6 × 0.45 mm	20 – 80 MHz
 X25	2.5 × 2.0 × 0.55 mm	12 – 80 MHz
 X32	3.2 × 2.5 × 0.65 mm	12 – 60 MHz
 X42	4.0 × 2.5 × 0.75 mm	12 – 60 MHz
 X53	5.0 × 3.2 × 0.8 mm	8 – 270 MHz
 X532	5.0 × 3.2 × 1.2 mm	8 – 80MHz
 X63	6.0 × 3.5 × 1.0 mm	8 – 150MHz



## SMD CRYSTALS

Product		Dimensions	Frequency Range
	X632	6.0 × 3.5 × 1.0 mm	8 – 50MHz
	X75	7.0 × 5.0 × 1.1 mm	6 – 160MHz
	X84	8.0 × 4.5 × 1.6mm	6 – 100MHz
	49SSM	11.4 × 4.7 × 3.2 mm	3.2 – 100MHz
	49SM	11.4 × 4.7 × 4.2 mm	3.2 – 100MHz
	49SX3	12.5 × 4.85 × 5.0 mm	3.2 – 70MHz
	49MJ	13.5 × 11.0 × 5.3 mm 11.0 × 11.0 × 5.3 mm	1.8432 – 200MHz
	UM1M	8.0 × 7.8 × 3.5 mm	4 – 200MHz
	UM5M	6.0 × 7.8 × 3.5 mm	10 – 200MHz



## TRUE-HOLE CRYSTALS

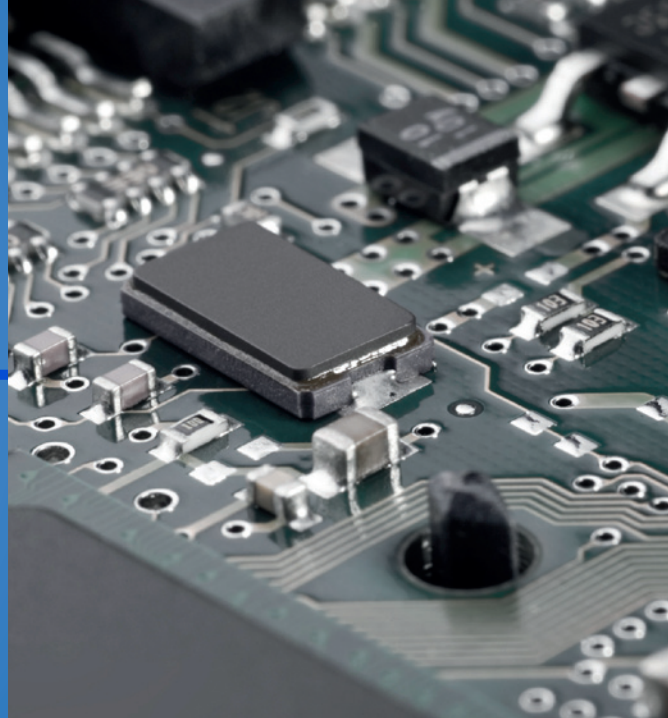
Product		Dimensions	Frequency Range
	<b>TB39</b>	3.0 × 9.0 mm cylindrical	3.5 – 70MHz
	<b>49U</b>	11.0 × 4.7 × 13.5 mm 11.0 × 4.7 × 11.0 mm	1.8432 – 200MHz
	<b>50U</b>	11.0 × 4.7 × 13.5 mm 11.0 × 4.7 × 11.0 mm	1.8432 – 200MHz
	<b>49S</b>	11 × 4.7 × 3.5 mm	3.2 – 100MHz
	<b>49SS</b>	11 × 4.7 × 2.5 mm	3.2 – 100MHz
	<b>UMI</b>	7.8 × 3.3 × 8.0 mm	4 – 200MHz
	<b>UM5</b>	7.8 × 3.3 × 6.0 mm	10 – 200MHz
	<b>48U</b>	19.4 × 8.95 × 19.8 mm	0.8 – 200MHz
	<b>51U</b>	19.4 × 8.95 × 19.8 mm	0.8 – 200MHz



## KHz CRYSTALS

Product	Dimensions	Frequency Range
 X21	2.0 × 1.2 × 0.6 mm	32.768KHz
 X31	3.2 × 1.5 × 0.9 mm	32.768KHz
 X41	4.1 × 1.5 × 0.9 mm	32.768KHz
 X130C	6.9 × 1.4 × 1.3 mm	32.768KHz
 ZMT6A	8.0 × 2.1 × 1.5 mm	32.768KHz
 SX99	8.0 × 3.8 × 2.5 mm	32.768KHz 30.0 – 100KHz
 TB26SMD	6.0 × 2.0 mm cylindrical	32.768KHz 30.0 – 100KHz
 SX206	6.0 × 2.0 mm cylindrical	32.768KHz 30.0 – 100KHz
 TB26	6.0 × 2.0 mm cylindrical	32.768KHz 30.0 – 100KHz
 TB38	8.0 × 3.0mm cylindrical	32.768KHz 30.0 – 100KHz

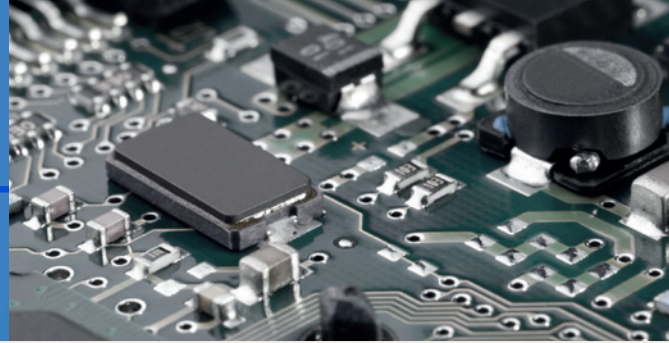
HM International produce oscillators in a wide range of packages and output types including HCMOS, True Sinewave, LVPECL, HCSL and LVDS. Delivery leadtimes are short, even for production quantity requirements.



## OSCILLATORS

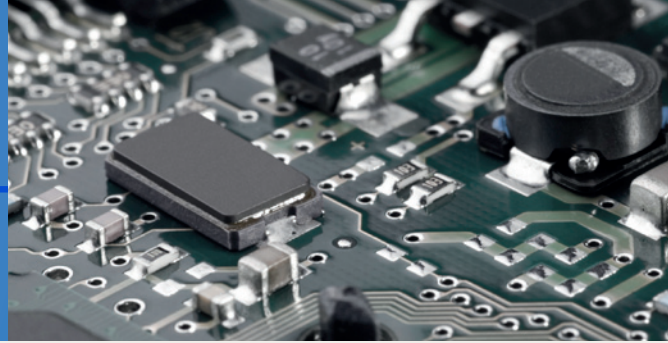
### CMOS OSCILLATORS

Product	Dimensions	Frequency Range	Features
 SX1C	2.0 x 1.6 x 0.7 mm	1.5 – 80.0 MHz	Smallest package
 SX2CB	2.5 x 2.0 x 0.8 mm	1.5 – 54.0 MHz	Low voltage
 SX2C	2.5 x 2.0 x 0.8 mm	1.5 – 133.0 MHz	Very small package
 SX2CG	2.5 x 2.0 x 0.9 mm	2.5 – 55.0 MHz	Tight temperature stability
 SX3CB	3.2 x 2.5 x 1.1 mm	1.5 – 54.0 MHz	Low voltage
 SX3C	3.2 x 2.5 x 1.2 mm	1.0 – 133.0 MHz	Most standard package
 SX3CG	3.2 x 2.5 x 0.9 mm	2.5 – 55.0 MHz	Tight temperature stability

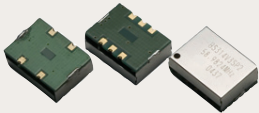




## CMOS OSCILLATORS

Product	Dimensions	Frequency Range	Features
 SX5CB	5.0 × 3.2 × 1.2 mm	1.0 – 125.0 MHz	Low voltage
 SX5C	5.0 × 3.2 × 1.2 mm	1.0 – 133.0 MHz	Most standard package
 SX5CG	5.0 × 3.2 × 1.05 mm	2.5 – 55.0 MHz	Tight temperature stability
 SX5CL	5.0 × 3.2 × 1.2 mm	0.5 – 50 MHz	Very low current
 SX7CB	7.0 × 5.0 × 1.4 mm	0.5 – 160.0 MHz	Low voltage
 SX7C	7.0 × 5.0 × 1.4 mm	0.5 – 165 MHz	Wide frequency range
 SX7CF	7.0 × 5.0 × 1.8 mm	125.0 – 320.0 MHz	High frequency, ultra low jitter
 SX7CW	7.0 × 5.0 × 1.8 mm	125.0 – 800.0 MHz	High frequency
 SX7CL	7.0 × 5.0 × 1.4 mm	0.25 – 50.0 MHz	Very low current
 SPIC	14.0 × 9.8 × 4.7 mm	1.0 – 200.0 MHz	Plastic J-lead package

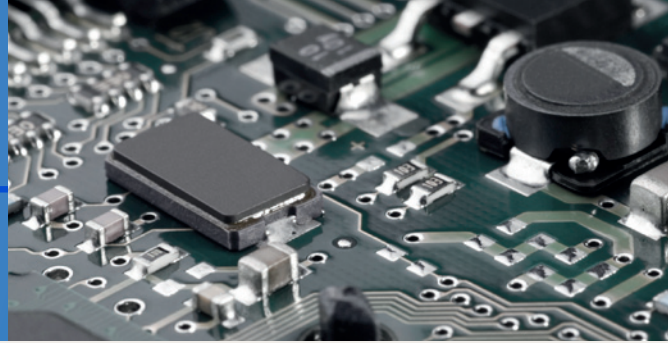


## CMOS OSCILLATORS



Product	Dimensions	Frequency Range	Features
 SP2C	14.3 × 8.7 × 5.5 mm	1.0 – 800.0 MHz	Wide frequency range
 DLHC	12.7 × 12.7 × 5.08 mm 12.7 × 12.7 × 7.48 mm	1.0 – 200.0 MHz	DIL package
 DLC	20.7 × 13.1 × 5.08 mm 20.7 × 13.1 × 7.48 mm	1.0 – 800.0 MHz	DIL package

## LVPECL OSCILLATORS


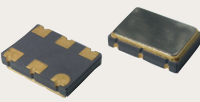
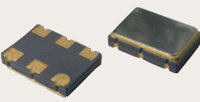
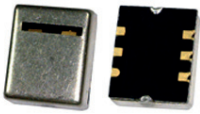
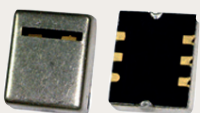

Product	Dimensions	Frequency Range	Features
 SX5EK	5.0 × 3.2 × 1.2 mm	40 – 200 MHz	Reduced jitter design
 SX7EK	7.0 × 5.0 × 1.8 mm	40 – 200 MHz	Reduced jitter design
 SX7EF	7.0 × 5.0 × 1.8 mm	38 – 640 MHz	Low jitter < 1ps
 SX7EW	7.0 × 5.0 × 1.8 mm	1 – 800 MHz	Low cost
 SP5EF	11.4 × 9.6 × 2.5 mm	38 – 640 MHz	Low jitter < 1ps
 SP5EW	11.4 × 9.6 × 2.5 mm	1 – 800 MHz	Low cost

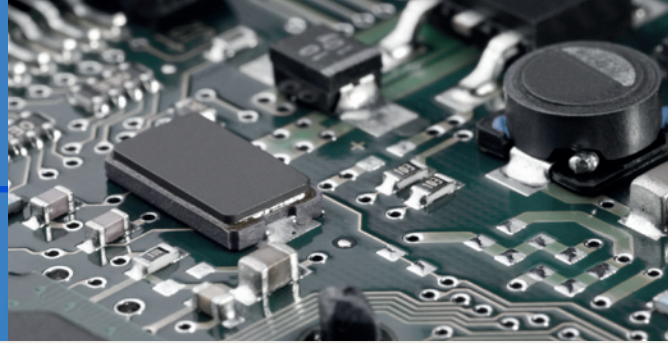


## LVPECL OSCILLATORS


Product	Dimensions	Frequency Range	Features
 SP2E	14.3 × 8.7 × 5.5 mm	0.75 – 800 MHz	Very low jitter
 DLE	20.7 × 13.1 × 5.08 mm 20.7 × 13.1 × 7.48 mm	0.75 – 800 MHz	Wide frequency range

## LVDS OSCILLATORS

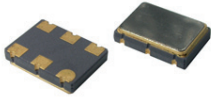
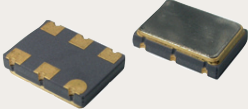


Product	Dimensions	Frequency Range	Features
 SX5LK	5.0 × 3.2 × 1.2 mm	40 – 200 MHz	Reduced jitter design
 SX7LK	7.0 × 5.0 × 1.8 mm	40 – 200 MHz	Reduced jitter design
 SX7LF	7.0 × 5.0 × 1.8 mm	38 – 640 MHz	Low jitter < 1ps
 SX7LW	7.0 × 5.0 × 1.8 mm	1 – 800 MHz	Low cost
 SP5LF	11.4 × 9.6 × 2.5 mm	38 – 640 MHz	Low jitter < 1ps
 SP5LW	11.4 × 9.6 × 2.5 mm	1 – 800 MHz	Low cost
 SP2L	14.3 × 8.7 × 5.5 mm	0.75 – 800 MHz	Very low jitter





## LVDS OSCILLATORS

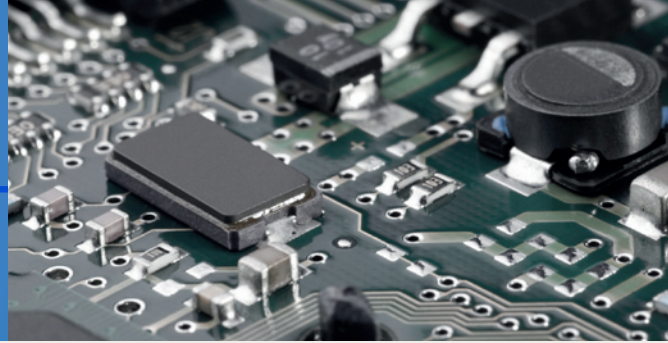
Product	Dimensions	Frequency Range	Features
 DLL	20.7 × 13.1 × 5.08 mm 20.7 × 13.1 × 7.48 mm	0.75 – 800 MHz	Wide frequency range

## HCSL OSCILLATORS


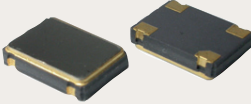
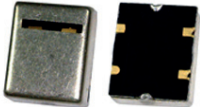

Product	Dimensions	Frequency Range	Features
 SX5HK	5.0 × 3.2 × 1.2 mm	40 – 200 MHz	Excellent Phase Noise
 SX7HK	7.0 × 5.0 × 1.8 mm	40 – 200 MHz	Excellent Phase Noise
 SP2H	14.3 × 8.7 × 5.5 mm	25 – 200 MHz	Excellent Phase Noise
 DLH	20.7 × 13.1 × 5.08 mm 20.7 × 13.1 × 7.50 mm	25 – 200 MHz	Excellent Phase Noise

## LOW EMI OSCILLATORS


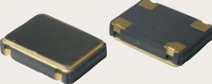


Product	Dimensions	Frequency Range	Features
 SX5SS	5.0 × 3.2 × 1.3 mm	6.0 MHz – 160 MHz	Low EMI
 SX7SS	7.0 × 5.0 × 1.8 mm	3.5 MHz – 220 MHz	Low EMI

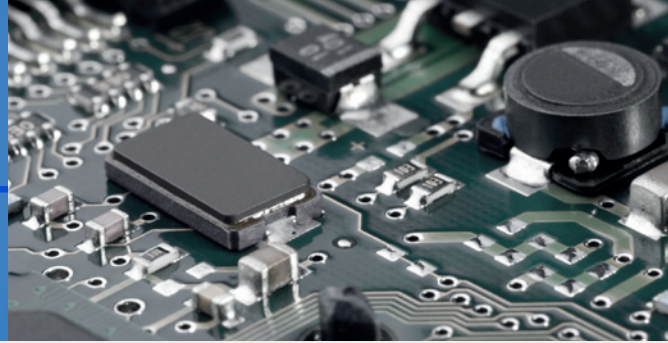


## TRUE SINE WAVE OSCILLATORS

Product	Dimensions	Frequency Range	Features
 SX5SR	5.0 × 3.2 × 1.2 mm	10 – 52 MHz	True Sine Wave
 SX7SR	7.0 × 5.0 × 1.8 mm	10 – 52 MHz	True Sine Wave
 SP5SR	11.4 × 9.6 × 2.5 mm	10 – 52 MHz	True Sine Wave
 DLS	20.4 × 12.9 × 5.08 mm	10 – 800 MHz	Wide frequency range

## PROGRAMMABLE OSCILLATORS

Product	Dimensions	Frequency Range	Features
 SX2P	2.5 × 2.0 × 0.8 mm	1.0 - 200.0 MHz	One day delivery
 SX3P	3.2 × 2.5 × 1.1 mm	1.0 – 200.0 MHz	One day delivery
 SX5P	5.0 × 3.2 × 1.2 mm	1.0 – 200.0 MHz	One day delivery
 SX7P	7.0 × 5.0 × 1.4 mm	1.0 – 200.0 MHz	One day delivery



## 32.768 KHZ OSCILLATORS


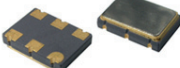
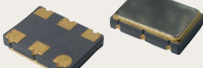

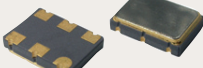

Product	Dimensions	Frequency Range	Features
 SX2K	2.5 x 2.0 x 0.8 mm	32.768 kHz	AT-cut divider
 SX2KL	2.5 x 2.0 x 0.8 mm	32.768 kHz	Semi-conductor design
 SX3K	3.2 x 2.5 x 1.1 mm	32.768 kHz	AT-cut divider
 SX3KL	3.2 x 2.5 x 1.1 mm	32.768 kHz	Tuning-fork design
 SX5K	5.0 x 3.2 x 1.2 mm	32.768 kHz	AT-cut divider
 SX6KL	6.4 x 4.0 x 2.0 mm	32.768 kHz	Tuning-fork design
 SX7K	7.0 x 5.0 x 1.4 mm	32.768 kHz	AT-cut divider

HM International Voltage Controlled Crystal Oscillators (VCXOs) are produced with CMOS, LVPECL, LVDS, HCSL or True Sine Wave outputs in a wide variety of packages and specification characteristics.





## VCXO

### CMOS VCXO

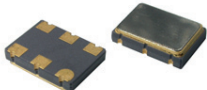
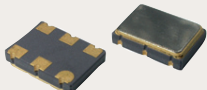
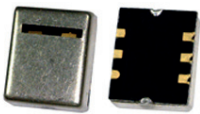
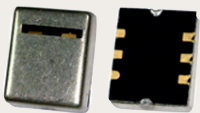

Product	Dimensions	Frequency Range	Features
 SX2CV	2.5 x 2.0 x 0.8 mm	1.0 – 30.0 MHz	Ultra-miniature package
 SX3CV	3.2 x 2.5 x 1.1 mm	1.0 – 54.0 MHz	Low current consumption
 SX5CV	5.0 x 3.2 x 1.2 mm	1.0 – 54.0 MHz	Tristate Functions
 SX7CFV	7.0 x 5.0 x 1.8 mm	50.0 – 640.0 MHz	Low Phase Jitter
 SX7CV	7.0 x 5.0 x 1.8 mm	1.0 – 75.0 MHz	Tristate Functions
 SX7CWV	7.0 x 5.0 x 1.8 mm	200 – 800 MHz	Low cost design
 SP2CV	14.3 x 8.7 x 5.5 mm	1.0 – 800 MHz	Low Phase Noise



## CMOS VCXO

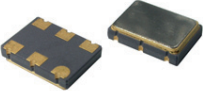
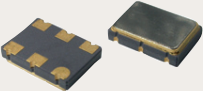
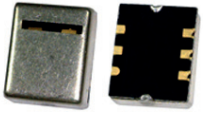
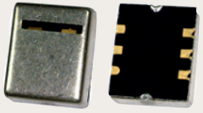

Product		Dimensions	Frequency Range	Features
	DLHCV	12.7 × 12.7 × 5.08 mm	1.0 – 125.0 MHz	Large frequency pulling
	DLCV	20.7 × 13.1 × 5.08 mm	1.0 – 125.0 MHz	Large frequency pulling

## LVPECL VCXO

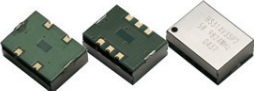
Product		Dimensions	Frequency Range	Features
	SX7EFV	7.0 × 5.0 × 1.8 mm	38 – 640 MHz	Low jitter
	SX7EWV	7.0 × 5.0 × 1.8 mm	1 – 800 MHz	Low cost
	SP5EFV	11.4 × 9.6 × 2.5 mm	38 – 640 MHz	Low jitter
	SP5EWV	11.4 × 9.6 × 2.5 mm	1 – 800 MHz	Low cost
	SP2EV	14.3 × 8.7 × 5.5 mm	0.75 – 800 MHz	Superior Phase Noise



## LVDS VCXO

Product	Dimensions	Frequency Range	Features
 SX7LFV	7.0 x 5.0 x 1.8 mm	38 – 640 MHz	Low jitter
 SX7LWV	7.0 x 5.0 x 1.8 mm	1 – 800 MHz	Low cost
 SP5LFV	11.4 x 9.6 x 2.5 mm	38 – 640 MHz	Low jitter
 SP5LWV	11.4 x 9.6 x 2.5 mm	1 – 800 MHz	Low cost
 SP2LV	14.3 x 8.7 x 5.5 mm	0.75 – 800 MHz	Superior Phase Noise



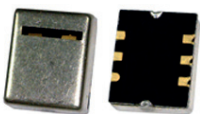

## HCSL VCXO

Product	Dimensions	Frequency Range	Features
 SP2HV	14.3 x 8.7 x 5.5mm	25 – 200 MHz	Excellent Phase Noise

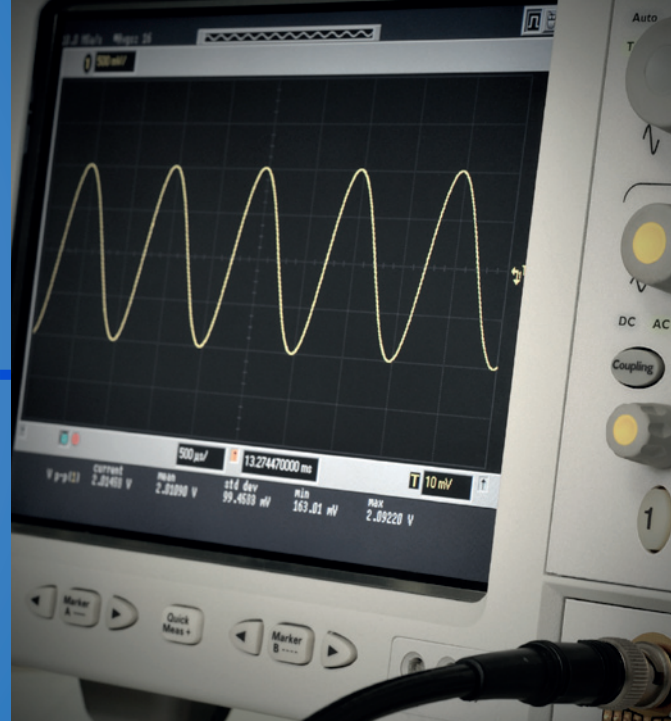
VCXO



## TRUE SINEWAVE VCXO

Product	Dimensions	Frequency Range	Features
 SX5SRV	5.0 x 3.2 x 1.2 mm	10.0 – 30.0 MHz	Miniature Package
 SX7SRV	7.0 x 5.0 x 1.8 mm	10.0 – 30.0 MHz	Wide Pulling Range
 SP5SRV	11.4 x 9.6 x 2.5 mm	10.0 – 30.0 MHz	High Purity
 DLSV	20.4 x 12.9 x 5.08 mm	10. – 800.0 MHz	High Purity

HM International Temperature-Compensated Crystal Oscillators (TCXOs) are produced with CMOS, LVPECL, LVDS or Clipped Sine Wave outputs in a wide variety of packages and specification characteristics.

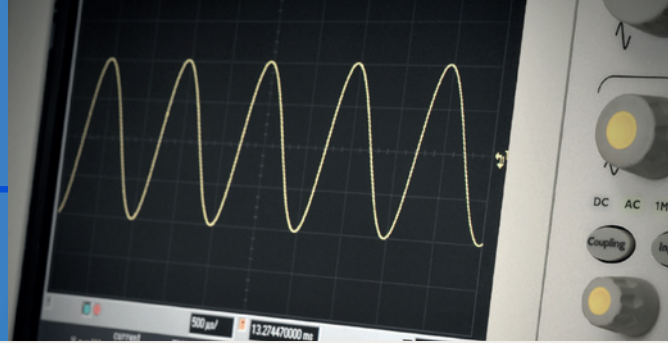


TCXO


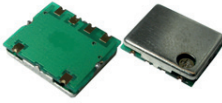



## CLIPPED SINE WAVE TCXO

Product	Dimensions	Frequency Range	Features
 SX1ST	2.0 x 1.6 x 0.7 mm	16.368 – 38.4 MHz	Smallest TCXO package
 SX2ST	2.5 x 2.0 x 0.7 mm	10.0 – 52.0 MHz	Tight stability
 SX3ST	3.2 x 2.5 x 1.3 mm	10.0 – 52.0 MHz	Standard SMD package
 SX5ST	5.0 x 3.2 x 1.2 mm	9.6 - 52.0 MHz	Many options available
 SX5STG	5.0 x 3.2 x 1.65 mm	10.0 – 40.0MHz	±0.28ppm -40°C/+85°C
 SX7ST	7.0 x 5.0 x 2.0 mm	9.6 – 50.0 MHz	Low power consumption
 SX7STG	7.0 x 5.0 x 2.0 mm	5.0 – 40 MHz	±0.28ppm -40°C/+85°C

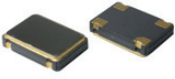
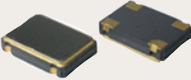

TCXO



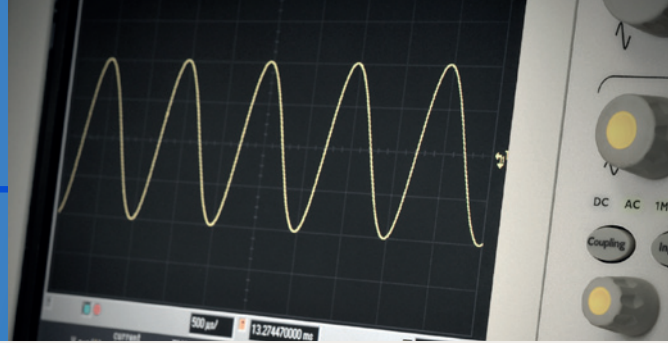
## CLIPPED SINE WAVE TCXO

Product	Dimensions	Frequency Range	Features
 SX7STR	7.0 × 5.0 × 2.0 mm	5.0 – 26.0 MHz	Stratum 3 compliant
 SP4ST	11.4 × 9.6 × 2.5 mm	9.6 – 40.0 MHz	Metal SMD case
 CI8ST	18.3 × 11.7 × 4.5 mm	1.0 – 125.0 MHz	Wide frequency range
 AI8ST	18.3 × 11.7 × 4.5 mm	1.0 – 125.0 MHz	Thru-hole package
 DLST	20.7 × 13.1 × 7.48 mm	1.0 – 64.0 MHz	DIL14 package

## CMOS TCXO

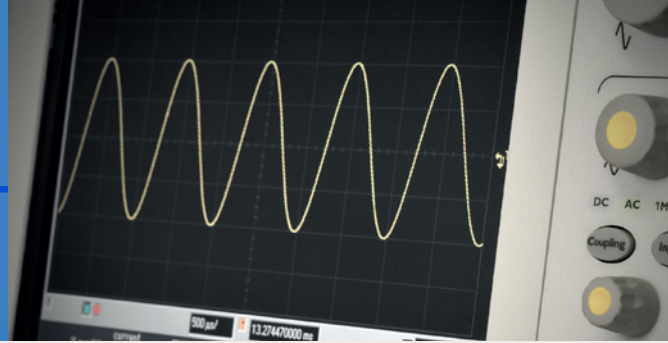
Product	Dimensions	Frequency Range	Features
 SX2CT	2.5 × 2.0 × 0.9 mm	4.0 – 54MHz	Ultra Miniature Package
 SX3CT	3.2 × 2.5 × 1.0 mm	4.0 – 54MHz	Low Current Consumption
 SX5CT	5.0 × 3.2 × 1.2 mm	4.0 – 54MHz	Low Current Consumption

TCXO



## CMOS TCXO

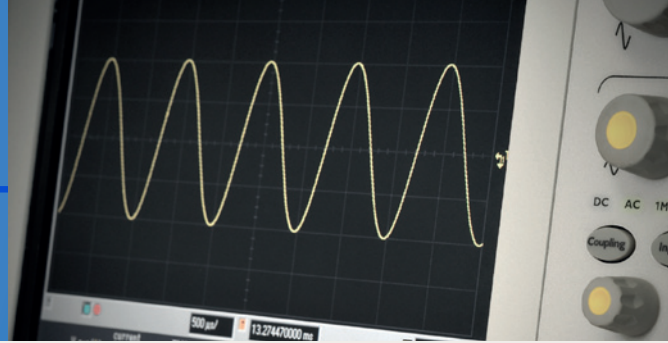
Product	Dimensions	Frequency Range	Features
 SX5CTB	5.0 x 3.2 x 2.3 mm	1.0 – 200MHz	Short Lead time
 SX5CTG	5.0 x 3.2 x 1.65 mm	10.0 – 40.0MHz	±0.28ppm -40°C/+85°C
 SX5CTM	5.0 x 3.2 x 2.3 mm	1.25 – 156.0MHz	Wide Frequency Range
 SX5CTN	5.0 x 3.2 x 2.3 mm	27.0 – 200 MHz	High Frequency
 SX5CTW	5.0 x 3.2 x 2.3 mm	200.01 – 800 MHz	Wide Frequency Range
 SX7CT	7.0 x 5.0 x 1.3 mm	4.0 – 54 MHz	Low Current Consumption
 SX7CTB	7.0 x 5.0 x 2.3 mm	1.0 – 200 MHz	Tight Stability
 SX7CTF	7.2 x 5.3 x 3.2 mm	5.0 – 52 MHz	Tight Stability
 SX7CTG	7.0 x 5.0 x 2.0 mm	5.0 – 40 MHz	±0.28ppm -40°C/+85°C
 SX7CTM	7.0 x 5.0 x 2.3 mm	1.25 – 156 MHz	Good Phase Noise





## CMOS TCXO

Product	Dimensions	Frequency Range	Features
 SX7CTN	7.0 x 5.0 x 2.3 mm	27.0 – 200 MHz	Wide Frequency Range
 SX7CTR	7.2 x 5.3 x 3.2 mm	5.0 – 20.0 MHz	Stratum III Compliant
 SX7CTW	7.0 x 5.0 x 2.3 mm	200.01 - 800.0MHz	High Frequency
 SP4CT	11.4 x 9.6 x 2.5 mm	1.0 – 125.0 MHz	Wide Frequency Range
 SP2CT	14.3 x 8.7 x 5.5 mm	1.0 - 200.0 MHz	Wide Frequency Range
 SP2CTR	14.8 x 9.1 x 5.9 mm	5.0 - 20.0 MHz	Stratum III Compliant
 S4CTR	25.4 x 22.2 x 7.4 mm	5.0 – 20.0 MHz	Stratum III Compliant
 CI8CT	18.3 x 11.7 x 4.5 mm	1.0 – 125.0 MHz	Wide Frequency Range
 AI8CT	18.1 x 11.7 x 4.5 mm	1.0 – 125.0 MHz	Adjustable Frequency
 DLCT	20.7 x 13.1 x 5.08 mm 20.7 x 13.1 x 7.48 mm	1.0 – 125.0 MHz	Wide Frequency Range



TCXO




## LVPECL TCXO

Product		Dimensions	Frequency Range	Features
	SX7ETF	7.0 x 5.0 x 2.3 mm	38.88 – 432.0 MHz	Low jitter
	SX7ETW	7.0 x 5.0 x 2.3 mm	12.0 – 800.0 MHz	Low cost

## LVDS TCXO

Product		Dimensions	Frequency Range	Features
	SX7LTF	7.0 x 5.0 x 2.3 mm	38.88 – 432.0 MHz	Low jitter
	SX7LTW	7.0 x 5.0 x 2.3 mm	12.0 – 800.0 MHz	High frequency

## 32.768 KHz TCXO

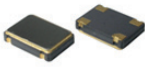


Product		Dimensions	Frequency Range	Features
	SX7KTM	7.0 x 5.0 x 2.3 mm	32.768 kHz	Low cost

HM International Voltage Controlled Temperature-Compensated Crystal Oscillators (VCTCXOs) are produced with CMOS, LVPECL, LVDS or Clipped Sine Wave outputs in a wide variety of packages and specification characteristics.




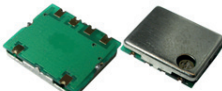



## VCTCXO

### CLIPPED SINE WAVE VCTCXO



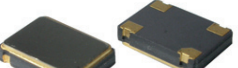
Product	Dimensions	Frequency Range	Features
 SX1SVT	2.0 x 1.6 x 0.7 mm	16.368 – 38.4 MHz	Smallest TCXO package
 SX2SVT	2.5 x 2.0 x 0.9 mm	10.0 – 52.0 MHz	Tight stability
 SX3SVT	3.2 x 2.5 x 1.1 mm	10.0 – 52.0 MHz	Standard SMD package
 SX5SVT	5.0 x 3.2 x 1.2 mm	9.6 - 52.0 MHz	Many options available
 SX5SVTG	5.0 x 3.2 x 2.0 mm	10.0 – 40.0MHz	±0.28ppm -40°C/+85°C
 SX7SVT	7.0 x 5.0 x 2.0 mm	9.6 – 50.0 MHz	Low power consumption
 SX7SVTG	7.0 x 5.0 x 2.0 mm	5.0 – 40 MHz	±0.28ppm -40°C/+85°C



## CLIPPED SINE WAVE VCTCXO

Product		Dimensions	Frequency Range	Features
	SX7SVTR	7.0 × 5.0 × 2.0 mm	5.0 – 26.0 MHz	Stratum 3 compliant
	SP4SVT	11.4 × 9.6 × 2.5 mm	9.6 – 40.0 MHz	Metal SMD case
	CI8SVT	18.3 × 11.7 × 4.5 mm	1.0 – 125.0 MHz	Wide frequency range
	AI8SVT	18.3 × 11.7 × 4.5 mm	1.0 – 125.0 MHz	Thru-hole package
	DLSVT	20.7 × 13.1 × 5.08 mm 20.7 × 13.1 × 7.48 mm	1.0 – 64.0 MHz	DIL14 package

## CMOS VCTCXO

Product		Dimensions	Frequency Range	Features
	SX2CVT	2.5 × 2.0 × 0.9 mm	4.0 – 54 MHz	Ultra Miniature Package
	SX3CVT	3.2 × 2.5 × 1.0 mm	4.0 – 54 MHz	Low Current Consumption
	SX5CVT	5.0 × 3.2 × 1.2 mm	4.0 – 54 MHz	Low Current Consumption



## CMOS VCTCXO



Product	Dimensions	Frequency Range	Features
 SX5CVTB	5.0 x 3.2 x 2.3 mm	1.0 – 200 MHz	Short Lead time
 SX5CVTG	5.0 x 3.2 x 1.65 mm	10.0 – 40.0 MHz	±0.28ppm -40°C/+85°C
 SX5CVTM	5.0 x 3.2 x 2.3 mm	1.25 – 156.0 MHz	Wide Frequency Range
 SX5CVTN	5.0 x 3.2 x 2.3 mm	27.0 – 200 MHz	High Frequency
 SX5CVTW	5.0 x 3.2 x 2.3 mm	200.01 – 800 MHz	Wide Frequency Range
 SX7CVT	7.0 x 5.0 x 1.3 mm	4.0 – 54 MHz	Low Current Consumption
 SX7CVTB	7.0 x 5.0 x 2.3 mm	1.0 – 200 MHz	Short Lead time
 SX7CVTF	7.2 x 5.3 x 3.2 mm	5.0 – 52 MHz	Tight Stability
 SX7CVTG	7.0 x 5.0 x 2.0 mm	5.0 – 40 MHz	±0.28ppm -40°C/+85°C
 SX7CVTM	7.0 x 5.0 x 2.3 mm	1.25 – 156 MHz	Good Phase Noise



## CMOS VCTCXO



Product		Dimensions	Frequency Range	Features
	SX7CVTN	7.0 × 5.0 × 2.3 mm	27.0 – 200 MHz	Wide Frequency Range
	SX7CVTW	7.0 × 5.0 × 2.3 mm	200.01 – 800.0 MHz	High Frequency
	SP4CVT	11.4 × 9.6 × 2.5 mm	1.0 – 125.0 MHz	Wide Frequency Range
	SP2CVT	14.3 × 8.7 × 5.5 mm	1.0 – 200.0 MHz	Wide Frequency Range
	CI8CVT	18.3 × 11.7 × 4.5 mm	1.0 – 125.0 MHz	Wide Frequency Range
	AI8CVT	18.1 × 11.7 × 4.5 mm	1.0 – 125.0 MHz	Adjustable Frequency
	DLCVT	20.7 × 13.1 × 7.48 mm	1.0 – 125.0 MHz	Wide Frequency Range

## LVPECL VCTCXO


Product		Dimensions	Frequency Range	Features
	SX7EVTF	7.0 × 5.0 × 2.3 mm	38.88 – 432.0 MHz	Low jitter
	SX7EVTW	7.0 × 5.0 × 2.3 mm	12.0 – 800.0 MHz	High frequency



## LVDS VCTCXO

Product		Dimensions	Frequency Range	Features
	SX7LVTF	7.0 x 5.0 x 2.3 mm	38.88 – 432.0 MHz	Low jitter
	SX7LVTW	7.0 x 5.0 x 2.3 mm	12.0 – 800.0 MHz	High frequency

## 32.768 KHz VCTCXO

Product		Dimensions	Frequency Range	Features
	SX7KVTM	7.0 x 5.0 x 2.3 mm	32.768 kHz	Low cost



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