



3.3V and 5V HCMOS OXO

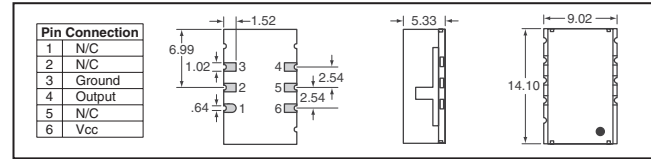
Mounting Type	Freq. (MHz)	Supply Voltage (V)	Digi-Key Part No.	Price Each			Connor-Winfield Part No.
				1	10	100	
Surface Mount	10.00	3.3	CW627-ND	112.50	90.00	72.50	ASOF3S3-10.0M
	10.00	3.3	CW634-ND	202.50	162.00	130.50	BSOF3S3E-10.0M
	10.00	5.0	CW635-ND	213.75	171.00	137.75	OFC5DJ3BS-10.0M
	12.80	3.3	CW628-ND	112.50	90.00	72.50	ASOF3S3-12.8M
	12.80	5.0	CW630-ND	112.50	90.00	72.50	ASOF5S3-12.8M
	19.44	5.0	CW631-ND	112.50	90.00	72.50	ASOF5S3-19.44M
	20.00	3.3	CW629-ND	112.50	90.00	72.50	ASOF3S3-20.0M
	20.00	5.0	CW636-ND	213.75	171.00	137.75	OFC5DJ3BS-20.0M
Through Hole	10.00	20.0	CW632-ND	135.00	108.00	87.00	DGOF5S3-10.0M
	20.00	5.0	CW633-ND	135.00	108.00	87.00	DGOF5S3-20.0M

◆ RoHS Compliant

Note: For package specifications and additional information, please see datasheet on Digi-Key website.

3.3V HCMOS SMD TCXO

Specifications: • Duty Cycle at 50% of Vcc: 45% ~ 55% • Supply Voltage: 3.3V • Frequency Stability: ±4.6ppm • Output Voltage: 2V (Voh) ~ .4V (Vol) • Load Capacitance: 15.0pF • Rise Time: 5ns • Fall Time: 5ns • Operating Temperature: 0°C ~ 70°C • Storage Temperature: -40°C ~ 85°C



Freq. (MHz)	Digi-Key Part No.	1	10	100	Connor-Winfield Part No.
12.8	CW619-ND	49.50	39.60	31.90	TFLD546-12.8M
20.0	CW620-ND	49.50	39.60	31.90	TFLD546-20.0M

Surface Mount Crystals

Specifications: • Temperature Stability: ±50ppm • Frequency Tolerance: ±50ppm @ 25°C • Operating Temperature: -10°C ~ 65°C • Drive Level: 1mW Typical

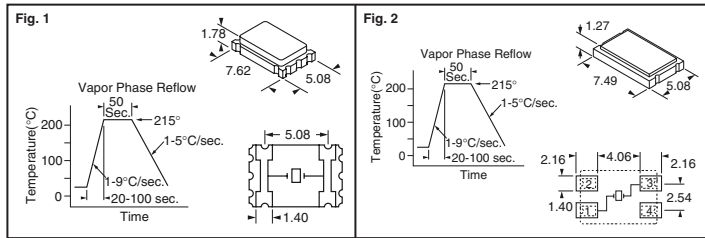


Fig.	Frequency (MHz)	Load Cap.	Digi-Key Part No.	1	10	100	500	Connor-Winfield Part No.
1	10.0000	16pF	CW401-ND	4.73	3.94	3.15	2.54	XL-1C-10.0000
	12.0000	16pF	CW402-ND	4.73	3.94	3.15	2.54	XL-1C-12.0000
	16.0000	16pF	CW403-ND	4.73	3.94	3.15	2.54	XL-1C-16.0000
	18.4320	16pF	CW404-ND	4.73	3.94	3.15	2.54	XL-1C-18.4320
	20.0000	16pF	CW405-ND	4.73	3.94	3.15	2.54	XL-1C-20.0000
	29.4912	16pF	CW407-ND	5.54	4.62	3.69	2.98	XL-1C-29.4912
	40.0000	Series	CW408-ND	5.13	4.28	3.42	2.76	XL-1C-40.0000
	44.2368	Series	CW409-ND	5.13	4.28	3.42	2.76	XL-1C-44.2368
	50.0000	Series	CW410-ND	5.13	4.28	3.42	2.76	XL-1C-50.0000
	2	10.0000	16pF	CW421-ND	7.83	6.53	5.22	4.21
12.0000		16pF	CW422-ND	7.83	6.53	5.22	4.21	XM-1-12.0000
16.0000		16pF	CW423-ND	7.83	6.53	5.22	4.21	XM-1-16.0000
18.4320		16pF	CW424-ND	7.83	6.53	5.22	4.21	XM-1-18.4320
20.0000		16pF	CW425-ND	7.83	6.53	5.22	4.21	XM-1-20.0000
29.4912		Series	CW427-ND	9.32	7.77	6.21	5.01	XM-1-29.4912
40.0000		Series	CW428-ND	8.51	7.09	5.67	4.57	XM-1-40.0000
44.2368		Series	CW429-ND	8.51	7.09	5.67	4.57	XM-1-44.2368
50.0000		Series	CW430-ND	8.51	7.09	5.67	4.57	XM-1-50.0000



Seiko Instruments Inc.

32.768kHz Crystals

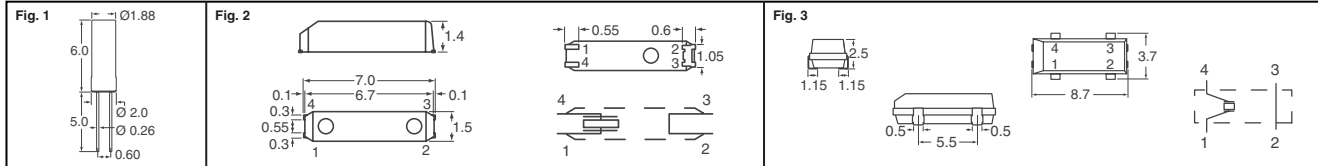


Fig.	Load Capacitance (pF)	Frequency Tolerance (ppm)	Operating Temperature Range	ESR Max. (Ω)	Drive Level Typ.	Digi-Key Part No.	1	10	50	Digi-Key Part No.	Tape and Reel Pricing 3,000	Seiko Instruments Part No.
1	6.0	±20	-10°C ~ 60°C	50K	0.1μW	728-1000-ND†	.35	.30	.20	—	—	VT200F-6PF20PPM
	12.5	±20	-10°C ~ 60°C	50K	0.1μW	728-1001-ND†	.35	.30	.20	—	—	VT200F-12.5PF20PPM
2	7.0	±20	-40°C ~ 85°C	65K	0.1μW	728-1002-1-ND	1.05	.90	.75	728-1002-2-ND	460.00/M	SSPT7F-7PF20PPM
	12.5	±20	-40°C ~ 85°C	65K	0.1μW	728-1003-1-ND	1.05	.90	.75	728-1003-2-ND	460.00/M	SSPT7F-12.5PF20PPM
3	6.0	±20	-40°C ~ 85°C	50K	0.1μW	728-1004-1-ND	.70	.60	.50	728-1004-2-ND	307.00/M	SPT2AF-6PF20PPM
	12.5	±20	-40°C ~ 85°C	50K	0.1μW	728-1005-1-ND	.70	.60	.50	728-1005-2-ND	307.00/M	SPT2AF-12.5PF20PPM

† Bulk



Silicon Oscillators

Features: Linear's solid-state "instant clocks" can be set to output a broad range of frequencies using a single resistor, or via an SPI or I²C interface.

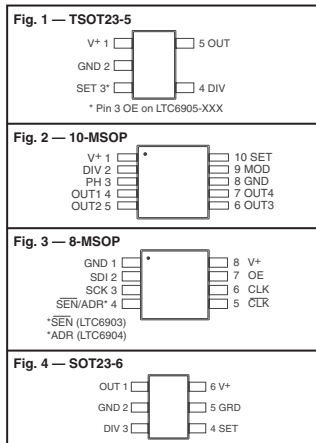


Fig.	Description	Frequency Range	Supply Current @ Frequency	Digi-Key Part No.	1	25	100	Cut Tape Price Each	Tape and Reel Pricing† 500
1	Resistor Programmable Oscillator	1kHz ~ 33MHz	1.1mA @ 3MHz	LTC1799CS5#TRMPBFCT-ND◆	3.89	3.48	3.13	—	1015.00
	Resistor Programmable Oscillator	1kHz ~ 33MHz	1.1mA @ 3MHz	LTC1799IS5#TRMPBFCT-ND◆	4.31	3.85	3.47	—	1395.00
	Resistor Programmable Oscillator	1kHz ~ 33MHz	1.1mA @ 3MHz	LTC1799HS5#TRMPBFCT-ND◆	4.70	4.20	3.78	—	1520.00
	Resistor Programmable Oscillator	1kHz ~ 20MHz	860μA @ 10MHz	LTC6900CS5#TRMCT-ND	3.89	3.48	3.13	—	—
	Resistor Programmable Oscillator	1kHz ~ 20MHz	860μA @ 10MHz	LTC6900CS5#TRMPBFCT-ND◆	3.89	3.48	3.13	—	1015.00
	Resistor Programmable Oscillator	1kHz ~ 20MHz	860μA @ 10MHz	LTC6900IS5#TRMPBFCT-ND◆	4.31	3.85	3.47	—	1395.00
2	Resistor Programmable with SS	5kHz ~ 20MHz	1.8mA @ 10MHz	LTC6902CMS#PBF-ND◆‡	4.40	2.93	2.40	—	—
	SPI Programmable Oscillator	1kHz ~ 68MHz	3.1mA @ 1MHz	LTC6903CMS8#PBF-ND◆‡	3.90	2.59	2.20	—	—
	I ² C Programmable Oscillator	1kHz ~ 68MHz	3.1mA @ 1MHz	LTC6904CMS8-ND‡	4.20	2.79	2.35	—	—
3	IPC Programmable Oscillator	1kHz ~ 68MHz	3.1mA @ 1MHz	LTC6904CMS8#PBF-ND◆‡	4.20	2.79	2.35	—	—
	Fixed Frequency Oscillator	25/50/100MHz	12mA @ 100MHz	LTC6905CS5-100#TRMPBFCT-ND◆	2.80	2.50	2.25	—	705.00
	Fixed Frequency Oscillator	33.3/66.7/133MHz	15mA @ 133MHz	LTC6905CS5-133#TRM-ND‡	2.50	1.71	1.41	—	—
	Fixed Frequency Oscillator	33.3/66.7/133MHz	15mA @ 133MHz	LTC6905CS5-133#TRMPBFCT-ND◆	2.80	2.50	2.25	—	705.00
	Fixed Frequency Oscillator	20/40/80MHz	11mA @ 80MHz	LTC6905CS5-80#TRM-ND‡	2.50	1.71	1.41	—	—
	Fixed Frequency Oscillator	20/40/80MHz	11mA @ 80MHz	LTC6905CS5-80#TRMPBFCT-ND◆	2.80	2.50	2.25	—	705.00
	Fixed Frequency Oscillator	24/48/96MHz	12mA @ 96MHz	LTC6905CS5-96#TRM-ND‡	2.50	1.71	1.41	—	—
4	Fixed Frequency Oscillator	24/48/96MHz	12mA @ 96MHz	LTC6905CS5-96#TRMPBFCT-ND◆	2.80	2.50	2.25	—	705.00
	Resistor Programmable Oscillator	17MHz ~ 170MHz	5mA @ 21MHz	LTC6905CS5#TRMPBFCT-ND◆	3.95	3.53	3.18	—	1010.00
	Resistor Programmable Oscillator	10kHz ~ 1MHz	15μA @ 100kHz	LTC6906CS6#TRMPBFCT-ND◆	3.02	2.70	2.43	—	765.00
	Resistor Programmable Oscillator	40kHz ~ 4MHz	48μA @ 400kHz	LTC6907CS6#TRMPBFCT-ND◆	3.02	2.70	2.43	—	765.00

◆ RoHS Compliant † For Tape and Reel part number, change CT-ND to TR-ND. ‡ Bulk

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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