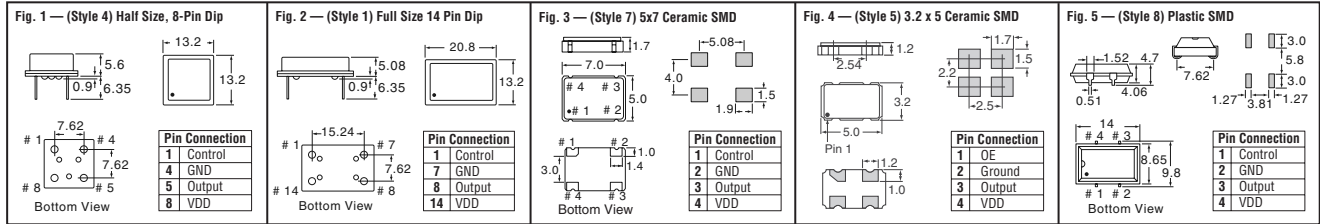


The **CPP Series** is a Standard series and is available in Styles 1, 4, 5, 7 and 8. The frequency range is 1.000MHz – 133.000MHz for 5V and 1.000MHz for 3.3V. The **CPPL Series** is an Ultra Low Jitter series and is available in Styles 1, 4, 5, 7 and 8. The frequency range is 1.000MHz – 133.000MHz for both 5V and 3.3V.

The **CPPFX Series** is an Extended Temperature, High Stability series and is available in Style 7 only. The frequency range is 1.000MHz – 133.000MHz for both 5V and 3.3V. The temperature range is -40°C – 85°C and the frequency stability is ±25ppm.



Example Part Number:
CPP/CPPL/CPPFX □ □ □ □ □ □ □ -ND

#1 Output	#2 Package Style	#3 Voltage	#4 Packaging	#5 Operating Temp.	#6 Stability	#7 Function
C CMOS T TTL	1 Full Size 4 Half Size 5 3.2 x 5 Ceramic 7 5 x 7 Ceramic 8 Plastic SMD	H 5 Volt L 3.3 Volt H = 1 thru 133MHz L = 1 thru 100MHz	T Tube Z Tape & Reel Package style 1 and 4 available in tube packaging only. Package style 7 and 8 available in tube and tape & reel	0 0°C – 70°C 5 -20°C – 70°C 7 -40°C – 85°C CPPFX available in -40°C – 85°C only.	6 ±100ppm P ±50ppm R ±25ppm R not available in -40°C to 80°C CPPFX available in ±25ppm only.	T Tri-State P Power Down Tri-State Mode – The output of the part is weakly pulled low when the control pin goes low. The active circuitry continues to operate, allowing a rapid return to normal operation when the control pin goes high. Power Down Mode – When the control pin goes low, all active circuitry on the chip within the oscillator is shut down. For reactivation, time in which the part regains its output is minimal.

How to Select a Base Number:
1 = Select Output
2 = Select Package Style
3 = Select Voltage
4 = Select Packaging
5 = Select Operating Temp.
6 = Select Stability
7 = Select Function

Fig.	Digi-Key * Base Part No.	1	Price Each	10	50	Tape and Reel Pricing
						100 500 1,000
1	CPPC4-□□□□-ND	7.09	6.08	4.46	—	—
	CPPC4-□□□□-ND	8.14	6.98	5.12	—	—
	CPPLC4-□□□□-ND	8.14	6.98	5.12	—	—
	CPPLT4-□□□□-ND	8.14	6.98	5.12	—	—
	CPPT4-□□□□-ND	7.09	6.08	4.46	—	—
	CPPT4-□□□□-ND	8.14	6.98	5.12	—	—
2	CPPC1-□□□□-ND	7.09	6.08	4.46	—	—
	CPPC1-□□□□-ND	8.14	6.98	5.12	—	—
	CPPLC1-□□□□-ND	8.14	6.98	5.12	—	—
	CPPLT1-□□□□-ND	8.14	6.98	5.12	—	—
	CPPT1-□□□□-ND	7.09	6.08	4.46	—	—
	CPPT1-□□□□-ND	8.14	6.98	5.12	—	—
3	CPPC7-□□□□-ND	6.56	5.63	4.13	375.00	1406.25 2500.00
	CPPC7-□□□□-ND	7.56	6.48	4.76	432.00	1620.00 2880.00

Fig.	Digi-Key * Base Part No.	1	Price Each	10	50	Tape and Reel Pricing
						100 500 1,000
3	CPPFX7-□□□□-ND	8.72	7.47	5.48	498.00	1867.50 3320.00
	CPPFX7-□□□□-ND	8.72	7.47	5.48	498.00	1867.50 3320.00
	CPPLC7-□□□□-ND	7.56	6.48	4.76	432.00	1620.00 2880.00
	CPPLT7-□□□□-ND	7.56	6.48	4.76	432.00	1620.00 2880.00
	CPPT7-□□□□-ND	6.56	5.63	4.13	382.50	1434.38 2550.00
	CPPT7-□□□□-ND	7.56	6.48	4.76	439.50	1648.13 2930.00
4	CPPLC5-□□□□-ND	9.98	8.55	6.27	—	—
	CPPLT5-□□□□-ND	9.98	8.55	6.27	—	—
5	CPPC8-□□□□-ND	7.09	6.08	4.46	405.00	1518.75 2700.00
	CPPC8-□□□□-ND	8.14	6.98	5.12	465.00	1743.75 3100.00
	CPPLC8-□□□□-ND	8.14	6.98	5.12	465.00	1743.75 3100.00
	CPPLT8-□□□□-ND	8.14	6.98	5.12	465.00	1743.75 3100.00
	CPPT8-□□□□-ND	7.09	6.08	4.46	412.50	1546.88 2750.00
	CPPT8-□□□□-ND	8.14	6.98	5.12	472.50	1771.88 3150.00

FIPO™ Programmable (Blank) Oscillators

FX5X7-ND	5x7 Ceramic SMD, ±25ppm	\$5.81	X1F515-ND	Full Size, ±50ppm or ±100ppm	\$4.73
LX1F5-ND	Full Size, ±50ppm or ±100ppm	\$5.43	X4H52-ND	Half Size, ±25ppm	\$5.43
LX4H5-ND	Half Size, ±50ppm or ±100ppm	\$5.43	X4H515-ND	Half Size, ±50ppm or ±100ppm	\$4.73
LX5-ND	3.2 x 5mm SMD, ±50ppm or ±100ppm	\$6.50	SX72-ND	5x7 Ceramic SMD, ±25ppm	\$4.38
LX7-ND	5x7 Ceramic SMD, ±50ppm or 100ppm	\$5.04	SX715-ND	5x7 Ceramic SMD, ±50ppm or 100ppm	\$4.38
LX8-ND	Plastic SMD J-Head, ±50ppm or ±100ppm	\$5.43	X8J2-ND	Plastic SMD, ±25ppm SMD	\$5.43
X1F52-ND	Full Size, ±25ppm	\$5.43	X8J15-ND	Plastic SMD, ±50ppm or ±100ppm	\$4.73

Programmers and Adapter Sockets

PG-3000-ND	PC Based Programmer for FIPO Parts	\$489.00
SC-5320-ND	Socket for 5mm x 3.2mm Oscillators (use with PG-3000, PG3100 and PG2000P)	\$47.25
SC2000-ND	Socket for 5mm x 7mm Ceramic Oscillators (use with PG-3000, PG3100 and PG2000P)	\$47.38
SC2500-ND	Socket for Style 8 Plastic Oscillators (use with PG-3000, PG3100 and PG2000P)	\$88.00

Note: For Programmer features and system requirements, please see appropriate data sheets on Digi-Key website.

High Reliability Oscillators, VCXOs, TCXOs and TCVCXOs

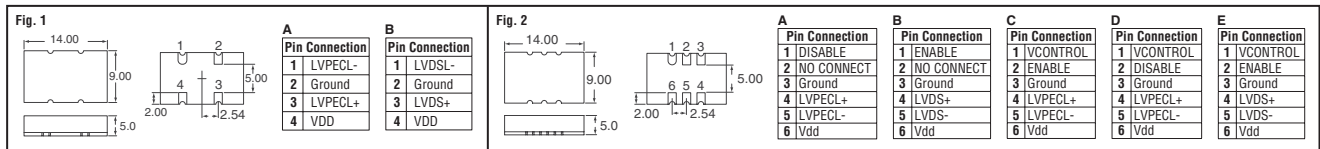


Fig.	Output Type	Frequency (MHz)	Digi-Key Part No.	1	Price Each	5	10	Cardinal Components Part No.
Oscillators								
1A	LVPECL	155.520	370-1000-ND	60.00	48.00	45.61	—	CFE4-A7BP-155.52
		156.250	370-1001-ND	60.00	48.00	45.61	—	CFE4-A7BP-156.25
		212.500	370-1002-ND	60.00	48.00	45.61	—	CFE4-A7BP-212.5
		311.040	370-1003-ND	72.50	58.00	55.11	—	CFE4-A7BP-311.04
		622.080	370-1004-ND	72.50	58.00	55.11	—	CFE4-A7BP-622.08
		155.520	370-1005-ND	60.00	48.00	45.61	—	CFL4-A7BP-155.52
1B	LVDS	156.250	370-1006-ND	60.00	48.00	45.61	—	CFL4-A7BP-156.25
		212.500	370-1007-ND	60.00	48.00	45.61	—	CFL4-A7BP-212.5
		311.040	370-1008-ND	72.50	58.00	55.11	—	CFL4-A7BP-311.04
		622.080	370-1009-ND	72.50	58.00	55.11	—	CFL4-A7BP-622.08
		155.520	370-1010-ND	60.00	48.00	45.61	—	CFED-A7BP-155.52TS
		156.250	370-1011-ND	60.00	48.00	45.61	—	CFED-A7BP-156.25TS
2A	LVPECL	212.500	370-1012-ND	60.00	48.00	45.61	—	CFED-A7BP-212.5TS
		311.040	370-1013-ND	72.50	58.00	55.11	—	CFED-A7BP-311.04TS
		622.080	370-1014-ND	72.50	58.00	55.11	—	CFED-A7BP-622.08TS
		155.520	370-1015-ND	60.00	48.00	45.61	—	CFL-A7BP-155.52TS
		156.250	370-1016-ND	60.00	48.00	45.61	—	CFL-A7BP-156.25TS
		212.500	370-1017-ND	60.00	48.00	45.61	—	CFL-A7BP-212.5TS
2B	LVDS	311.040	370-1018-ND	72.50	58.00	55.11	—	CFL-A7BP-311.04TS
		622.080	370-1019-ND	72.50	58.00	55.11	—	CFL-A7BP-622.08TS
		155.520	370-1020-ND	65.00	52.00	49.41	—	CFVE-A7BP-155.52TS
		156.250	370-1021-ND	65.00	52.00	49.41	—	CFVE-A7BP-156.25TS
		212.500	370-1022-ND	65.00	52.00	49.41	—	CFVE-A7BP-212.5TS
		311.040	370-1023-ND	77.50	62.00	58.91	—	CFVE-A7BP-311.04TS
2C	LVPECL	622.080	370-1024-ND	77.50	62.00	58.91	—	CFVE-A7BP-622.08TS
		155.520	370-1025-ND	65.00	52.00	49.41	—	CFVED-A7BP-155.52TS
		156.250	370-1026-ND	65.00	52.00	49.41	—	CFVED-A7BP-156.25TS
		212.500	370-1027-ND	65.00	52.00	49.41	—	CFVED-A7BP-212.5TS
		311.040	370-1028-ND	77.50	62.00	58.91	—	CFVED-A7BP-311.04TS
		622.080	370-1029-ND	77.50	62.00	58.91	—	CFVED-A7BP-622.08TS

Fig.	Output Type	Frequency (MHz)	Digi-Key Part No.	1	Price Each	5	10	Cardinal Components Part No.		
2E	LVDS	155.520	370-1030-ND	65.00	52.00	49.41	—	CFVL-A7BP-155.52TS		
		156.250	370-1031-ND	65.00	52.00	49.41	—	CFVL-A7BP-156.25TS		
		212.500	370-1032-ND	65.00	52.00	49.41	—	CFVL-A7BP-212.5TS		
		311.040	370-1033-ND	77.50	62.00	58.91	—	CFVL-A7BP-311.04TS		
		622.080	370-1034-ND	77.50	62.00	58.91	—	CFVL-A7BP-622.08TS		
		TCXOs								
2A	LVPECL	155.520	370-1035-ND	72.50	58.00	55.11	—	CTED-A5B3-155.52TS		
		156.250	370-1036-ND	72.50	58.00	55.11	—	CTED-A5B3-156.25TS		
		212.500	370-1037-ND	72.50	58.00	55.11	—	CTED-A5B3-212.5TS		
		311.040	370-1038-ND	85.00	68.00	64.61	—	CTED-A5B3-311.04TS		
		622.080	370-1039-ND	85.00	68.00	64.61	—	CTED-A5B3-622.08TS		
		155.520	370-1040-ND	72.50	58.00	55.11	—	CTL-A5B3-155.52TS		
2B	LVDS	156.250	370-1041-ND	72.50	58.00	55.11	—	CTL-A5B3-156.25TS		
		212.500	370-1042-ND	72.50	58.00	55.11	—	CTL-A5B3-212.5TS		
		311.040	370-1043-ND	85.00	68.00	64.61	—	CTL-A5B3-311.04TS		
		622.080	370-1044-ND	85.00	68.00	64.61	—	CTL-A5B3-622.08TS		
		TCVCXOs								
		2D	LVPECL	155.520	370-1045-ND	72.50	58.00	55.11	—	CTVED-A5B3-155.52TS
156.250	370-1046-ND			72.50	58.00	55.11	—	CTVED-A5B3-156.25TS		
212.500	370-1047-ND			72.50	58.00	55.11	—	CTVED-A5B3-212.5TS		
311.040	370-1048-ND			85.00	68.00	64.61	—	CTVED-A5B3-311.04TS		
622.080	370-1049-ND			85.00	68.00	64.61	—	CTVED-A5B3-622.08TS		
155.520	370-1050-ND			72.50	58.00	55.11	—	CTLV-A5B3-155.52TS		
2E	LVDS	156.250	370-1051-ND	72.50	58.00	55.11	—	CTLV-A5B3-156.25TS		
		212.500	370-1052-ND	72.50	58.00	55.11	—	CTLV-A5B3-212.5TS		
		311.040	370-1053-ND	85.00	68.00	64.61	—	CTLV-A5B3-311.04TS		
		622.080	370-1054-ND	85.00	68.00	64.61	—	CTLV-A5B3-622.08TS		

Note: For additional specifications, please see the manufacturer's data sheets.

More Product Available Online: www.digkey.com

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