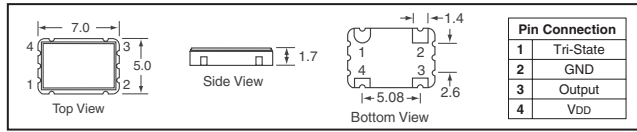


5.0 x 7.0 x 1.7mm Packaging



Note: Frequency stability is inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Pricing† 1,000	ECS Part No.
		1	10	100		
ECS-3951C — 5.0V, 0°C - 70°C, ±100ppm						
1.843200	XC653CT-ND	3.81	3.43	2.86	1905.75	ECS-3951C-018-TR
3.686400	XC654CT-ND	3.81	3.43	2.86	1905.75	ECS-3951C-036-TR
12.000000	XC655CT-ND	3.81	3.43	2.86	1905.75	ECS-3951C-120-TR
16.000000	XC656CT-ND	3.81	3.43	2.86	1905.75	ECS-3951C-160-TR
20.000000	XC657CT-ND	3.81	3.43	2.86	1905.75	ECS-3951C-200-TR
33.000000	XC658CT-ND	3.81	3.43	2.86	1905.75	ECS-3951C-330-TR
40.000000	XC659CT-ND	3.81	3.43	2.86	1905.75	ECS-3951C-400-TR
50.000000	XC660CT-ND	3.81	3.43	2.86	1905.75	ECS-3951C-500-TR
65.000000	XC661CT-ND	3.81	3.43	2.86	1905.75	ECS-3951C-650-TR
66.666000	XC662CT-ND	3.81	3.43	2.86	1905.75	ECS-3951C-666-TR
ECS-3951M-B — 5.0V, -10°C - 70°C, ±50ppm						
1.843200	XC780CT-ND	3.81	3.43	2.86	1905.75	ECS-3951M-018-B-TR
3.686400	XC781CT-ND	3.81	3.43	2.86	1905.75	ECS-3951M-036-B-TR
12.000000	XC782CT-ND	3.81	3.43	2.86	1905.75	ECS-3951M-120-B-TR
16.000000	XC783CT-ND	3.81	3.43	2.86	1905.75	ECS-3951M-160-B-TR
20.000000	XC784CT-ND	3.81	3.43	2.86	1905.75	ECS-3951M-200-B-TR
33.000000	XC785CT-ND	3.81	3.43	2.86	1905.75	ECS-3951M-330-B-TR
40.000000	XC786CT-ND	3.81	3.43	2.86	1905.75	ECS-3951M-400-B-TR
50.000000	XC787CT-ND	3.81	3.43	2.86	1905.75	ECS-3951M-500-B-TR
65.000000	XC788CT-ND	3.81	3.43	2.86	1905.75	ECS-3951M-650-B-TR
66.666000	XC789CT-ND	3.81	3.43	2.86	1905.75	ECS-3951M-666-B-TR
ECS-3951M-BN Industrial Temperature — 5.0V, -40°C - 85°C, ±50ppm						
1.843200	XC291CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-018-BN-TR
3.579545	XC292CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-035-BN-TR
3.686400	XC293CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-036-BN-TR
4.000000	XC294CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-040-BN-TR
8.000000	XC295CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-080-BN-TR
10.000000	XC296CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-100-BN-TR
12.000000	XC297CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-120-BN-TR
16.000000	XC298CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-160-BN-TR
20.000000	XC299CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-200-BN-TR
24.000000	XC300CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-240-BN-TR
25.000000	XC321CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-250-BN-TR
32.000000	XC322CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-320-BN-TR
40.000000	XC323CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-400-BN-TR
50.000000	XC324CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-500-BN-TR
66.666000	XC325CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-666-BN-TR
80.000000	XC326CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-800-BN-TR
100.000000	XC327CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-1000-BN-TR
ECS-3951M-AU Automotive Temperature — 5.0V, -55°C - 125°C, ±100ppm						
1.843200	XC1453CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-018-AU-TR
4.000000	XC1454CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-040-AU-TR
8.000000	XC1455CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-080-AU-TR
10.000000	XC1456CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-100-AU-TR
16.000000	XC1457CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-160-AU-TR
20.000000	XC1458CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-200-AU-TR
40.000000	XC1459CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-400-AU-TR
80.000000	XC1460CT-ND	4.03	3.63	3.03	2014.65	ECS-3951M-800-AU-TR
100.000000	XC1461CT-ND	4.75	4.28	3.57	2374.02	ECS-3951M-1000-AU-TR
ECS-3953C — 3.3V, 0°C - 70°C, ±50ppm						
20.000000	XC721CT-ND	3.81	3.43	2.86	1905.75	ECS-3953C-200-TR
24.000000	XC722CT-ND	3.81	3.43	2.86	1905.75	ECS-3953C-240-TR
25.000000	XC723CT-ND	3.81	3.43	2.86	1905.75	ECS-3953C-250-TR
32.000000	XC724CT-ND	3.81	3.43	2.86	1905.75	ECS-3953C-320-TR
40.000000	XC725CT-ND	3.81	3.43	2.86	1905.75	ECS-3953C-400-TR
50.000000	XC726CT-ND	3.81	3.43	2.86	1905.75	ECS-3953C-500-TR
66.666000	XC727CT-ND	3.81	3.43	2.86	1905.75	ECS-3953C-666-TR
80.000000	XC728CT-ND	3.81	3.43	2.86	1905.75	ECS-3953C-800-TR
ECS-3953M-B — 3.3V, -10°C - 70°C, ±50ppm						
1.843200	XC284CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-018-B-TR
3.686400	XC285CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-036-B-TR
4.000000	XC286CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-040-B-TR
8.000000	XC287CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-080-B-TR
10.000000	XC288CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-100-B-TR
12.000000	XC289CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-120-B-TR
16.000000	XC290CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-160-B-TR
20.000000	XC790CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-200-B-TR
24.000000	XC791CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-240-B-TR
25.000000	XC792CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-250-B-TR
32.000000	XC793CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-320-B-TR
40.000000	XC794CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-400-B-TR
48.000000	XC1016CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-480-B-TR
50.000000	XC795CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-500-B-TR
66.666000	XC796CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-666-B-TR
80.000000	XC797CT-ND	3.81	3.43	2.86	1905.75	ECS-3953M-800-B-TR
ECS-3953M-BN Industrial Temperature — 3.3V, -40°C - 85°C, ±50ppm						
1.843200	XC329CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-018-BN-TR
3.579545	XC330CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-035-BN-TR
3.686400	XC331CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-036-BN-TR
4.000000	XC332CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-040-BN-TR
8.000000	XC333CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-080-BN-TR
10.000000	XC334CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-100-BN-TR
12.000000	XC335CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-120-BN-TR
16.000000	XC336CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-160-BN-TR
20.000000	XC337CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-200-BN-TR
24.000000	XC338CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-240-BN-TR
25.000000	XC339CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-250-BN-TR

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Pricing† 1,000	ECS Part No.
		1	10	100		
32.000000	XC340CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-320-BN-TR
40.000000	XC341CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-400-BN-TR
50.000000	XC342CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-500-BN-TR
66.666000	XC343CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-666-BN-TR
80.000000	XC344CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-800-BN-TR
100.000000	XC345CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-1000-BN-TR
125.000000	XC346CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-1250-BN-TR
ECS-3953M-AU Automotive Temperature — 3.3V, -55°C - 125°C, ±100ppm						
1.843200	XC1442CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-018-AU-TR
4.000000	XC1443CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-040-AU-TR
8.000000	XC1444CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-080-AU-TR
10.000000	XC1445CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-100-AU-TR
16.000000	XC1446CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-160-AU-TR
20.000000	XC1447CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-200-AU-TR
24.000000	XC1448CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-240-AU-TR
40.000000	XC1449CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-400-AU-TR
80.000000	XC1450CT-ND	4.03	3.63	3.03	2014.65	ECS-3953M-800-AU-TR
100.000000	XC1451CT-ND	4.75	4.28	3.57	2374.02	ECS-3953M-1000-AU-TR
125.000000	XC1452CT-ND	5.58	5.02	4.19	2787.84	ECS-3953M-1250-AU-TR

† For Tape and Reel part number, change CT-ND to TR-ND.

Subminiature Clock Oscillators

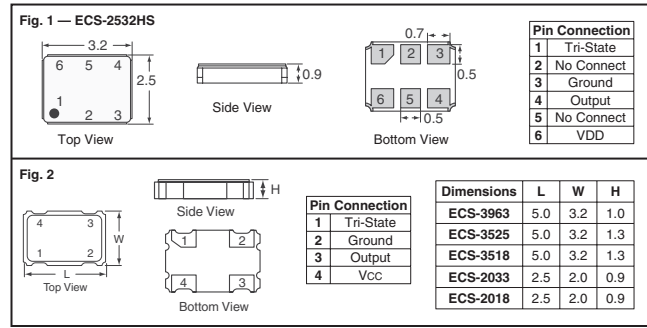


Fig.	Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Qty.	Pricing	ECS Part No.
			1	10	100			
ECS-2532HS High Stability — 3.3V, -30°C - 85°C, ±100ppm								
1	20.000000	XC1476CT-ND	10.02	9.02	7.52	500	2504.70	ECS-2532HS-200-3-G
	22.118400	XC1477CT-ND	10.02	9.02	7.52	500	2504.70	ECS-2532HS-221-3-G
	24.000000	XC1478CT-ND	10.02	9.02	7.52	500	2504.70	ECS-2532HS-240-3-G
	26.000000	XC1479CT-ND	10.02	9.02	7.52	500	2504.70	ECS-2532HS-260-3-G

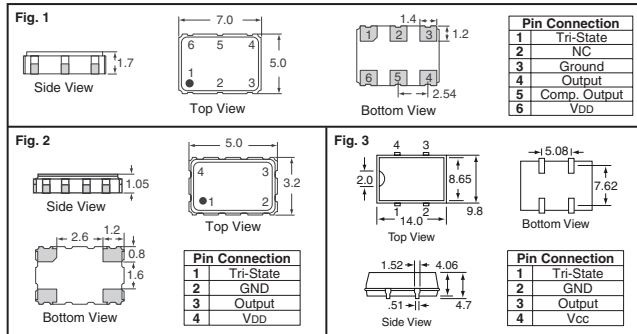
Miniature Clock Oscillators (Cont.)



Fig.	Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel		ECS Part No.
			1	10	100	Qty.	Pricing	
2	8.00000	XC1067CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-080-B-TR
	10.00000	XC1068CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-100-B-TR
	12.00000	XC1069CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-120-B-TR
	14.31818	XC1070CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-143-B-TR
	20.00000	XC1071CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-200-B-TR
	24.00000	XC1072CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-240-B-TR
	25.00000	XC1073CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-250-B-TR
	32.00000	XC1074CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-320-B-TR
	33.33300	XC1075CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-333-B-TR
	40.00000	XC1076CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-400-B-TR
	48.00000	XC1077CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-480-B-TR
	50.00000	XC1078CT-ND	2.37	2.14	1.79	1,000	1187.01	ECS-3518-500-B-TR
60.00000	XC1079CT-ND	2.59	2.34	1.95	1,000	1295.91	ECS-3518-600-B-TR	
64.00000	XC1080CT-ND	2.59	2.34	1.95	1,000	1295.91	ECS-3518-640-B-TR	
66.66600	XC1081CT-ND	2.59	2.34	1.95	1,000	1295.91	ECS-3518-666-B-TR	
80.00000	XC1082CT-ND	2.59	2.34	1.95	1,000	1295.91	ECS-3518-800-B-TR	
100.00000	XC1083CT-ND	4.77	4.30	3.58	1,000	2384.91	ECS-3518-1000-B-TR	
125.00000	XC1084CT-ND	5.42	4.89	4.07	1,000	2711.61	ECS-3518-1250-B-TR	
ECS-2033-BN Industrial Temperature - 3.3V, -40°C - 85°C, ±50ppm								
2	3.579545	XC1419CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-035-BN
	3.686400	XC1420CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-036-BN
	4.000000	XC1421CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-040-BN
	6.000000	XC1422CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-060-BN
	7.372800	XC1423CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-073-BN
	8.000000	XC1424CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-080-BN
	10.000000	XC1425CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-100-BN
	12.000000	XC1426CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-120-BN
	13.000000	XC1427CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-130-BN
	14.318180	XC1428CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-143-BN
	14.745600	XC1429CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-147.4-BN
	16.000000	XC1430CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-160-BN
20.000000	XC1431CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-200-BN	
24.000000	XC1432CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-240-BN	
25.000000	XC1433CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-250-BN	
27.000000	XC1434CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-270-BN	
30.000000	XC1435CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-300-BN	
32.000000	XC1436CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-320-BN	
40.000000	XC1437CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-400-BN	
48.000000	XC1438CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-480-BN	
50.000000	XC1439CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2033-500-BN	
ECS-2018-BN Industrial Temperature - 1.8V, -40°C - 85°C, ±50ppm								
2	3.579545	XC1396CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-035-BN
	3.686400	XC1397CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-036-BN
	4.000000	XC1398CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-040-BN
	6.000000	XC1399CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-060-BN
	7.372800	XC1400CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-073-BN
	8.000000	XC1401CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-080-BN
	10.000000	XC1402CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-100-BN
	12.000000	XC1403CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-120-BN
	13.000000	XC1404CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-130-BN
	14.318180	XC1405CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-143-BN
	14.745600	XC1406CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-147.4-BN
	16.000000	XC1407CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-160-BN
20.000000	XC1408CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-200-BN	
24.000000	XC1409CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-240-BN	
25.000000	XC1410CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-250-BN	
27.000000	XC1411CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-270-BN	
30.000000	XC1412CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-300-BN	
32.000000	XC1413CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-320-BN	
40.000000	XC1414CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-400-BN	
48.000000	XC1415CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-480-BN	
50.000000	XC1416CT-ND	4.31	3.89	3.24	1,000	2156.22	ECS-2018-500-BN	

† For Tape and Reel part number, change CT-ND to TR-ND.

LVDS, LVPECL, Spread Spectrum and Thermoplastic



Note: Frequency stability inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock and vibration.

Fig.	Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel		ECS Part No.
			1	10	100	Qty.	Pricing	
ECS-LVDS25-A - 2.5V, 0°C - 70°C, ±100ppm - RoHS Compliant								
1	100.000000	XC1466CT-ND	15.77	14.20	11.83	500	3942.18	ECS-LVDS25-1000-A
	106.250000	XC1467CT-ND	15.77	14.20	11.83	500	3942.18	ECS-LVDS25-1062.5A
	125.000000	XC1468CT-ND	16.03	14.43	12.03	500	4007.52	ECS-LVDS25-1250-A
	156.250000	XC1469CT-ND	20.06	18.06	15.05	500	5014.85	ECS-LVDS25-1562.5A
	200.000000	XC1470CT-ND	20.06	18.06	15.05	500	5014.85	ECS-LVDS25-2000-A
ECS-PEC25-B-N - 2.5V, -40°C - 85°C, ±50ppm - RoHS Compliant								
1	106.250000	XC1471CT-ND	15.38	13.84	11.54	500	3844.17	ECS-PEC25-1000-B-N
	106.250000	XC1472CT-ND	15.38	13.84	11.54	500	3844.17	ECS-PEC25-1062.5-B-N
	125.000000	XC1473CT-ND	15.77	14.20	11.83	500	3942.18	ECS-PEC25-1250-B-N

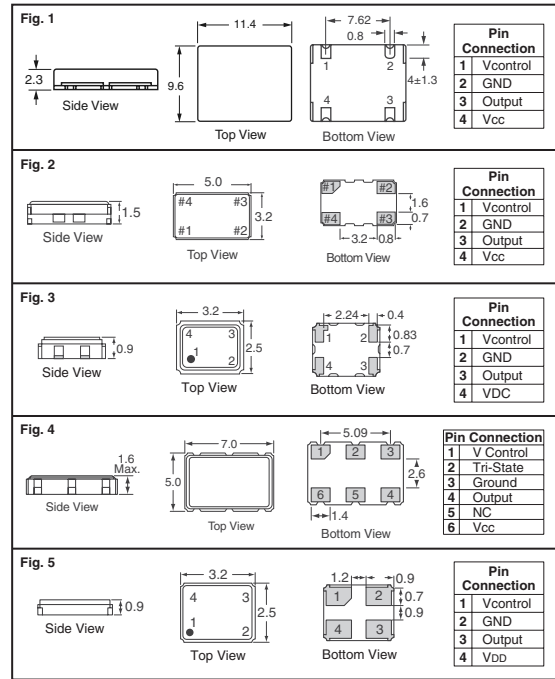
Fig.	Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel		ECS Part No.
			1	10	100	Qty.	Pricing	
1	155.520000	XC1474CT-ND	19.80	17.82	14.85	500	4949.51	ECS-PEC25-1555.2-B-N
	156.250000	XC1475CT-ND	19.80	17.82	14.85	500	4949.51	ECS-PEC25-1562.5-B-N
ECS-3250SS Spread Spectrum - 3.3V, -10°C - 70°C, ±50ppm - RoHS Compliant								
2	27.000000	XC1484CT-ND	10.98	9.88	8.24	500	2744.28	ECS-3250SS-270-3B
	40.000000	XC1485CT-ND	11.76	10.59	8.83	500	2940.30	ECS-3250SS-400-3B
	54.000000	XC1486CT-ND	11.76	10.59	8.83	500	2940.30	ECS-3250SS-540-3B
	ECS-8FA3X - 3.3V, -10°C - 70°C, ±100ppm - RoHS Compliant							
3	2.048000	XC1635CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-020.48-TR
	3.686400	XC1636CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-036-TR
	8.192000	XC1637CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-081.92-TR
	9.830400	XC1638CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-098.3-TR
	10.000000	XC1639CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-100-TR
	11.059200	XC1640CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-110.5-TR
	11.289600	XC1641CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-112.896-TR
	12.000000	XC1642CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-120-TR
	12.288000	XC1643CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-122.8-TR
	14.318180	XC1644CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-143-TR
	16.000000	XC1645CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-160-TR
	16.384000	XC1646CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-163-TR
18.432000	XC1647CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-184-TR	
20.000000	XC1648CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-200-TR	
24.576000	XC1649CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-245.7-TR	
25.000000	XC1650CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-250-TR	
27.000000	XC1651CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-270-TR	
40.000000	XC1652CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-400-TR	
48.000000	XC1653CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-480-TR	
50.000000	XC1654CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FA3X-500-TR	
ECS-8FM - 5.0V, -10°C - 70°C, ±100ppm								
3	1.000000	XC703CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FM-010-TR
	1.843200	XC704CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FM-018-TR
	2.000000	XC705CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FM-020-TR
	2.457600	XC706CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FM-024-TR
	3.579545	XC707CT-ND	2.16	1.80	1.44	1,000	1091.18	ECS-8FM-035-TR

VC-TCXO and VCXO Oscillators



Fig.	Frequency (MHz)	Supply Voltage	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Qty.	ECS Part No.
				1	10	100		
VC-TCXOs, -40°C - 85°C, ±2.5ppm								
1	10.00	3.0	X493CT-ND	10.98	8.99	7.99	500	3593.70
	13.00	3.0	X490CT-ND	10.98	8.99	7.99	500	3593.70
	16.80	3.0	X491CT-ND	10.98	8.99	7.99	500	3593.70
	19.44	3.0	X492CT-ND	10.98	8.99	7.99	500	3593.70
	10.00	3.0	X1126CT-ND	10.98	8.99	7.99	500	3593.70
	12.80	3.0	X1127CT-ND	10.98	8.99	7.99	500	3593.70
	13.00	3.0	X1128CT-ND	10.98	8.99	7.99	500	3593.70
	16.80	3.0	X1129CT-ND	10.98	8.99	7.99	500	3593.70
	19.44	3.0	X1130CT-ND	10.98	8.99	7.99	500	3593.70
	12.00	3.0	X1018CT-ND	12.96	11.67	9.72	500	3887.73
2	12.80	3.0	XC348CT-ND	10.78	9.71	8.09	1,000	5390.55
	13.00	3.0	XC1019CT-ND	12.96	11.67	9.72	1,000	6479.55
	14.40	3.0	XC1020CT-ND	12.96	11.67	9.72	500	3887.73
	16.80	3.0	XC349CT-ND	10.78	9.71	8.09	1,000	5390.55
	19.20	3.0	XC1021CT-ND	12.96	11.67	9.72	500	3887.73
	19.44	3.0	XC350CT-ND	10.78	9.71	8.09	1,000	5390.55
	10.00	3.0	XC1618CT-ND	6.95	6.26	5.22	1,000	3473.91
	19.20	3.0	XC1462CT-ND	4.77	4.30	3.58	1,000	2384.91
	19.68	3.0	XC1463CT-ND	4.77	4.30	3.58	1,000	2384.91
	20.00	3.0	XC1464CT-ND	4.77	4.30	3.58	1,000	2384.91
26.00	3.0	XC1465CT-ND	4.77	4.30	3.58	1,000	2384.91	
VCXOs, -40°C - 85°C, ±50ppm - RoHS Compliant								
4	19.44	3.3	XC1110CT-ND	2.81	2.53	2.11	1,000	1404.81
	27.00	3.3	XC1112CT-ND	2.81	2.53	2.11	1,000	1404.81
	32.77	3.3	XC1113CT-ND	2.81	2.53	2.11	1,000	1404.81
	40.00	3.3	XC1115CT-ND	3.46	3.12	2.60	1,000	1731.51
5	27.00	2.8	XC1487CT-ND	20.06	18.06	15.05	500	5014.85
	54.00	2.8	XC1488CT-ND	20.06	18.06	15.05	500	5014.85

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



Thru-Hole Oscillators

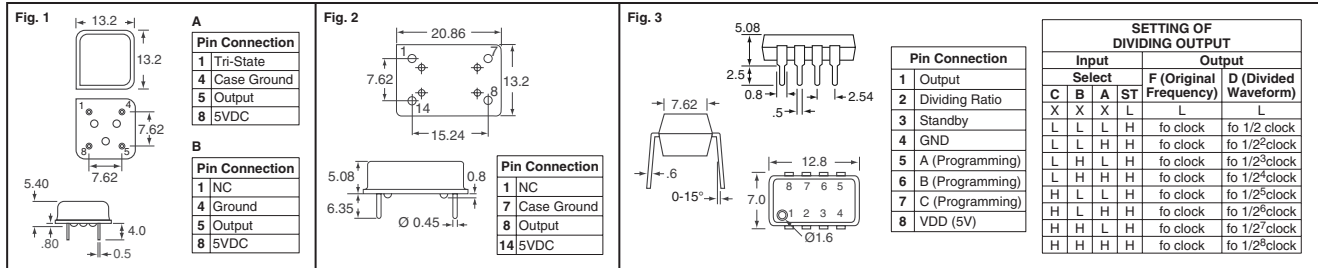


Fig.	Frequency (MHz)	Digi-Key Part No.	Price Each			ECS Part No.
			1	10	100	
ECS-2200B Half Size Oscillators, 5.0V, 0°C - 70°C, ±50ppm						
1A	4.00000	XC259-ND	1.91	1.72	1.38	1.22
	4.91520	XC260-ND	1.91	1.72	1.38	1.22
	6.00000	XC261-ND	1.91	1.72	1.38	1.22
	6.14400	XC262-ND	1.91	1.72	1.38	1.22
	7.37280	XC263-ND	1.91	1.72	1.38	1.22
	8.00000	XC264-ND	1.91	1.72	1.38	1.22
	9.21600	XC265-ND	1.91	1.72	1.38	1.22
	9.83040	XC266-ND	1.91	1.72	1.38	1.22
	10.00000	XC267-ND	1.91	1.72	1.38	1.22
	11.05920	XC268-ND	1.91	1.72	1.38	1.22
	12.00000	XC269-ND	1.91	1.72	1.38	1.22
	14.31818	XC270-ND	1.91	1.72	1.38	1.22
	16.00000	XC271-ND	1.91	1.72	1.38	1.22
	18.43200	XC272-ND	1.91	1.72	1.38	1.22
	19.66080	XC273-ND	1.91	1.72	1.38	1.22
	20.00000	XC274-ND	1.91	1.72	1.38	1.22
	24.00000	XC275-ND	1.91	1.72	1.38	1.22
	25.00000	XC276-ND	1.91	1.72	1.38	1.22
	28.32200	XC277-ND	1.91	1.72	1.38	1.22
	32.00000	XC278-ND	1.91	1.72	1.38	1.22
40.00000	XC279-ND	1.91	1.72	1.38	1.22	
48.00000	XC280-ND	1.91	1.72	1.38	1.22	
50.00000	XC281-ND	1.91	1.72	1.38	1.22	
66.66600	XC282-ND	1.91	1.72	1.38	1.22	
80.00000	XC283-ND	1.91	1.72	1.38	1.22	
ECS-2200BX Half Size Oscillators, 5.0V, 0°C - 70°C, ±50ppm - RoHS Compliant						
1A	4.00000	XC1178-ND	1.91	1.72	1.38	1.22
	4.91520	XC1179-ND	1.91	1.72	1.38	1.22
	6.00000	XC1180-ND	1.91	1.72	1.38	1.22
	7.37280	XC1181-ND	1.91	1.72	1.38	1.22
	8.00000	XC1182-ND	1.91	1.72	1.38	1.22
	9.83040	XC1183-ND	1.91	1.72	1.38	1.22
	10.00000	XC1184-ND	1.91	1.72	1.38	1.22
	11.05920	XC1185-ND	1.91	1.72	1.38	1.22
	16.00000	XC1186-ND	1.91	1.72	1.38	1.22
	19.66080	XC1187-ND	1.91	1.72	1.38	1.22

Fig.	Frequency (MHz)	Digi-Key Part No.	Price Each			ECS Part No.	
			1	10	100		
1A	20.00000	XC1188-ND	1.91	1.72	1.38	1.22	
	24.00000	XC1189-ND	1.91	1.72	1.38	1.22	
	32.00000	XC1190-ND	1.91	1.72	1.38	1.22	
	40.00000	XC1191-ND	1.91	1.72	1.38	1.22	
	48.00000	XC1192-ND	1.91	1.72	1.38	1.22	
	50.00000	XC1193-ND	1.91	1.72	1.38	1.22	
	80.00000	XC1194-ND	1.91	1.72	1.38	1.22	
	ECS-2100A Half Size Oscillators, 5.0V, 0°C - 70°C, ±100ppm						
	1B	1.000000	XC229-ND	1.55	1.39	1.12	.99
		1.228800	XC230-ND	1.55	1.39	1.12	.99
1.843200		XC231-ND	1.55	1.39	1.12	.99	
2.000000		XC232-ND	1.55	1.39	1.12	.99	
2.457600		XC233-ND	1.55	1.39	1.12	.99	
3.579545		XC235-ND	1.55	1.39	1.12	.99	
3.686400		XC234-ND	1.55	1.39	1.12	.99	
4.000000		X202-ND	1.55	1.39	1.12	.99	
4.915200		XC236-ND	1.55	1.39	1.12	.99	
5.000000		XC237-ND	1.55	1.39	1.12	.99	
5.068800		XC238-ND	1.55	1.39	1.12	.99	
6.000000		XC239-ND	1.55	1.39	1.12	.99	
6.144000		XC240-ND	1.55	1.39	1.12	.99	
7.372800		X208-ND	1.55	1.39	1.12	.99	
8.000000		X209-ND	1.55	1.39	1.12	.99	
9.216000		XC241-ND	1.55	1.39	1.12	.99	
9.830400		XC242-ND	1.55	1.39	1.12	.99	
10.000000		XC243-ND	1.55	1.39	1.12	.99	
11.059200		XC244-ND	1.55	1.39	1.12	.99	
12.000000		XC245-ND	1.55	1.39	1.12	.99	
14.318180	XC246-ND	1.55	1.39	1.12	.99		
14.745600	XC247-ND	1.55	1.39	1.12	.99		
16.000000	XC216-ND	1.55	1.39	1.12	.99		
16.257000	XC248-ND	1.55	1.39	1.12	.99		
18.000000	XC249-ND	1.55	1.39	1.12	.99		

(Continued)

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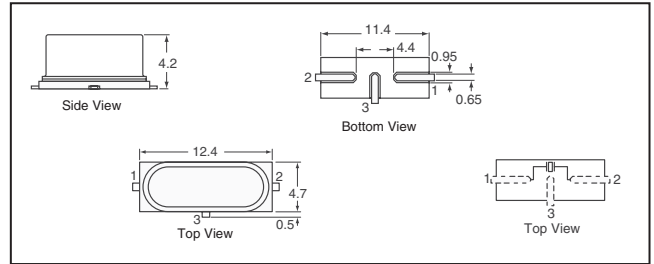
Fig.	Frequency (MHz)	Digi-Key Part No.	Price Each				ECS Part No.	
			1	10	100	500		
1B	18.432000	XC250-ND	1.55	1.39	1.12	.99	ECS-2100A-184	
	19.660800	XC251-ND	1.55	1.39	1.12	.99	ECS-2100A-196.6	
	20.000000	X220-ND	1.55	1.39	1.12	.99	ECS-2100A-200	
	24.000000	X221-ND	1.55	1.39	1.12	.99	ECS-2100A-240	
	25.000000	XC252-ND	1.55	1.39	1.12	.99	ECS-2100A-250	
	25.175000	X222-ND	1.55	1.39	1.12	.99	ECS-2100A-251.7	
	28.322000	X223-ND	1.55	1.39	1.12	.99	ECS-2100A-283.2	
	30.000000	XC253-ND	1.55	1.39	1.12	.99	ECS-2100A-300	
	32.000000	XC254-ND	1.55	1.39	1.12	.99	ECS-2100A-320	
	32.514000	X224-ND	1.55	1.39	1.12	.99	ECS-2100A-325.1	
1B	35.000000	XC255-ND	1.55	1.39	1.12	.99	ECS-2100A-350	
	40.000000	X225-ND	1.55	1.39	1.12	.99	ECS-2100A-400	
	48.000000	XC256-ND	1.55	1.39	1.12	.99	ECS-2100A-480	
	50.000000	X226-ND	1.55	1.39	1.12	.99	ECS-2100A-500	
	64.000000	XC257-ND	1.55	1.39	1.12	.99	ECS-2100A-640	
	66.666000	XC258-ND	1.55	1.39	1.12	.99	ECS-2100A-666	
	ECS-2100AX Half Size Oscillators, 5.0V, 0°C - 70°C, ±100ppm — RoHS Compliant							
		3.686400	XC1158-ND	1.55	1.39	1.12	.99	ECS-2100AX-036
		4.000000	X960-ND	1.55	1.39	1.12	.99	ECS-2100AX-040
		4.915200	XC1159-ND	1.55	1.39	1.12	.99	ECS-2100AX-049
	7.372800	X961-ND	1.55	1.39	1.12	.99	ECS-2100AX-073.7	
	8.000000	X962-ND	1.55	1.39	1.12	.99	ECS-2100AX-080	
	9.216000	XC1160-ND	1.55	1.39	1.12	.99	ECS-2100AX-092.1	
	9.830400	XC1161-ND	1.55	1.39	1.12	.99	ECS-2100AX-098.3	
	10.000000	XC1162-ND	1.55	1.39	1.12	.99	ECS-2100AX-100	
	11.059200	XC1163-ND	1.55	1.39	1.12	.99	ECS-2100AX-110.5	
	12.000000	XC1164-ND	1.55	1.39	1.12	.99	ECS-2100AX-120	
	14.745600	XC1165-ND	1.55	1.39	1.12	.99	ECS-2100AX-147.4	
	16.000000	X963-ND	1.55	1.39	1.12	.99	ECS-2100AX-160	
	18.432000	XC1166-ND	1.55	1.39	1.12	.99	ECS-2100AX-184	
	19.660800	XC1167-ND	1.55	1.39	1.12	.99	ECS-2100AX-196.6	
	20.000000	X964-ND	1.55	1.39	1.12	.99	ECS-2100AX-200	
	28.322000	X965-ND	1.55	1.39	1.12	.99	ECS-2100AX-283.2	
	30.000000	XC1168-ND	1.55	1.39	1.12	.99	ECS-2100AX-300	
	40.000000	X966-ND	1.55	1.39	1.12	.99	ECS-2100AX-400	
	48.000000	XC1169-ND	1.55	1.39	1.12	.99	ECS-2100AX-480	
	50.000000	X967-ND	1.55	1.39	1.12	.99	ECS-2100AX-500	
ECS-100A Full Size Oscillators, 5.0V, 0°C - 70°C, ±100ppm								
	1.000000	X101-ND	1.36	1.23	.99	.88	ECS-100A-010	
	1.228800	X102-ND	1.36	1.23	.99	.88	ECS-100A-012.2	
	1.843200	X103-ND	1.36	1.23	.99	.88	ECS-100A-018	
	2.000000	X104-ND	1.36	1.23	.99	.88	ECS-100A-020	
	2.457600	X105-ND	1.36	1.23	.99	.88	ECS-100A-024	
	3.579545	XC227-ND	1.36	1.23	.99	.88	ECS-100A-035	
	3.686400	X106-ND	1.36	1.23	.99	.88	ECS-100A-036	
	4.000000	X107-ND	1.36	1.23	.99	.88	ECS-100A-040	
	4.915200	X108-ND	1.36	1.23	.99	.88	ECS-100A-049	
	5.000000	X109-ND	1.36	1.23	.99	.88	ECS-100A-050	
	5.068800	X110-ND	1.36	1.23	.99	.88	ECS-100A-051	
	6.000000	X111-ND	1.36	1.23	.99	.88	ECS-100A-060	
	6.144000	X122-ND	1.36	1.23	.99	.88	ECS-100A-061	
	7.372800	X123-ND	1.36	1.23	.99	.88	ECS-100A-073	
	8.000000	X112-ND	1.36	1.23	.99	.88	ECS-100A-080	
	9.216000	X113-ND	1.36	1.23	.99	.88	ECS-100A-092.1	
	9.830400	X124-ND	1.36	1.23	.99	.88	ECS-100A-098.3	
	10.000000	X114-ND	1.36	1.23	.99	.88	ECS-100A-100	
	11.059200	X125-ND	1.36	1.23	.99	.88	ECS-100A-110.5	
	12.000000	X126-ND	1.36	1.23	.99	.88	ECS-100A-120	
	14.318180	X115-ND	1.36	1.23	.99	.88	ECS-100A-143	
	14.745600	X127-ND	1.36	1.23	.99	.88	ECS-100A-147.4	
	16.000000	X116-ND	1.36	1.23	.99	.88	ECS-100A-160	
	16.257000	X128-ND	1.36	1.23	.99	.88	ECS-100A-162.5	
	18.000000	X117-ND	1.36	1.23	.99	.88	ECS-100A-180	
	18.432000	X118-ND	1.36	1.23	.99	.88	ECS-100A-184	
	19.660800	XC314-ND	1.36	1.23	.99	.88	ECS-100A-196.6	
	20.000000	X119-ND	1.36	1.23	.99	.88	ECS-100A-200	
	24.000000	X129-ND	1.36	1.23	.99	.88	ECS-100A-240	
	25.000000	XC315-ND	1.36	1.23	.99	.88	ECS-100A-250	
	25.175000	X130-ND	1.36	1.23	.99	.88	ECS-100A-251.7	
	28.322000	X131-ND	1.36	1.23	.99	.88	ECS-100A-283.2	
	30.000000	XC316-ND	1.36	1.23	.99	.88	ECS-100A-300	
	32.000000	X132-ND	1.36	1.23	.99	.88	ECS-100A-320	
	32.514000	X133-ND	1.36	1.23	.99	.88	ECS-100A-325.1	
	35.000000	X134-ND	1.36	1.23	.99	.88	ECS-100A-350	
	40.000000	X120-ND	1.36	1.23	.99	.88	ECS-100A-400	
	48.000000	X135-ND	1.36	1.23	.99	.88	ECS-100A-480	
	50.000000	X121-ND	1.36	1.23	.99	.88	ECS-100A-500	
	64.000000	X136-ND	1.36	1.23	.99	.88	ECS-100A-640	
	66.666000	XC228-ND	1.36	1.23	.99	.88	ECS-100A-666	
ECS-100AX Full Size Oscillators, 5.0V, 0°C - 70°C, ±100ppm — RoHS Compliant								
	1.000000	X937-ND	1.36	1.23	.99	.88	ECS-100AX-010	
	1.228800	X938-ND	1.36	1.23	.99	.88	ECS-100AX-012.2	
	1.843200	X939-ND	1.36	1.23	.99	.88	ECS-100AX-018	
	2.000000	X940-ND	1.36	1.23	.99	.88	ECS-100AX-020	
	3.579545	XC1154-ND	1.36	1.23	.99	.88	ECS-100AX-035	
	3.686400	X941-ND	1.36	1.23	.99	.88	ECS-100AX-036	
	4.000000	X942-ND	1.36	1.23	.99	.88	ECS-100AX-040	
	6.000000	X943-ND	1.36	1.23	.99	.88	ECS-100AX-060	
	6.144000	X952-ND	1.36	1.23	.99	.88	ECS-100AX-061	
	7.372800	X953-ND	1.36	1.23	.99	.88	ECS-100AX-073	
	8.000000	X944-ND	1.36	1.23	.99	.88	ECS-100AX-080	
	9.830400	X954-ND	1.36	1.23	.99	.88	ECS-100AX-098.3	
	10.000000	X945-ND	1.36	1.23	.99	.88	ECS-100AX-100	
	11.059200	X955-ND	1.36	1.23	.99	.88	ECS-100AX-110.5	
	14.318180	X946-ND	1.36	1.23	.99	.88	ECS-100AX-143	
	14.745600	X956-ND	1.36	1.23	.99	.88	ECS-100AX-147.4	

Fig.	Frequency (MHz)	Digi-Key Part No.	Price Each			ECS Part No.	
			1	100	500		
2	16.000000	X947-ND	1.36	1.23	.99	.88	
	18.432000	X948-ND	1.36	1.23	.99	.88	
	19.660800	XC1155-ND	1.36	1.23	.99	.88	
	20.000000	X949-ND	1.36	1.23	.99	.88	
	25.000000	XC1156-ND	1.36	1.23	.99	.88	
	30.000000	XC1157-ND	1.36	1.23	.99	.88	
	32.000000	X957-ND	1.36	1.23	.99	.88	
	40.000000	X950-ND	1.36	1.23	.99	.88	
	48.000000	X958-ND	1.36	1.23	.99	.88	
	50.000000	X951-ND	1.36	1.23	.99	.88	
64.000000	X959-ND	1.36	1.23	.99	.88		
ECS-300C Dual Output Oscillators, 5.0V, -10°C - 70°C, ±100ppm							
3	12.000000	XC301-ND	3.88	3.24	2.59	2.09	
	12.288000	XC302-ND	3.88	3.24	2.59	2.09	
	12.800000	XC303-ND	3.88	3.24	2.59	2.09	
	14.318180	XC304-ND	3.88	3.24	2.59	2.09	
	14.745600	XC305-ND	3.88	3.24	2.59	2.09	
	15.974400	XC306-ND	3.88	3.24	2.59	2.09	
	16.000000	XC307-ND	3.88	3.24	2.59	2.09	
	16.384000	XC308-ND	3.88	3.24	2.59	2.09	
	17.734476	XC309-ND	3.88	3.24	2.59	2.09	
	18.432000	XC310-ND	3.88	3.24	2.59	2.09	
3	19.660800	XC311-ND	3.88	3.24	2.59	2.09	
	20.000000	XC312-ND	3.88	3.24	2.59	2.09	
	24.000000	XC313-ND	3.88	3.24	2.59	2.09	
	ECS-300CX Dual Output Oscillators, 5.0V, -10°C - 70°C, ±100ppm — RoHS Compliant						
	3	12.000000	XC1170-ND	3.88	3.24	2.59	2.09
		12.800000	XC1171-ND	3.88	3.24	2.59	2.09
		14.318180	XC1172-ND	3.88	3.24	2.59	2.09
		16.000000	XC1173-ND	3.88	3.24	2.59	2.09
		16.384000	XC1174-ND	3.88	3.24	2.59	2.09
		18.432000	XC1175-ND	3.88	3.24	2.59	2.09
20.000000		XC1176-ND	3.88	3.24	2.59	2.09	
24.000000		XC1177-ND	3.88	3.24	2.59	2.09	

A463-ND Aries Electronics Inc. Half Size 4-Pin Oscillator Sockets..... **.42/1 8.77/25 28.40/100**
A462-ND Aries Electronics Inc. Full Size 4-Pin Oscillator Sockets..... **.42/1 8.77/25 28.40/100**

Quartz Crystals

CSM-7X-3L Series



Frequency (MHz)	Load Cap.	Digi-Key Part No.	Cut Tape Price Each			T & Rf Pricing 1,000	ECS Part No.
			1	10	100		
CSM-7X-3L-DS Extended Temperature, -40°C - 125°C, Case Ground							
3.579545	18pF	XC1490CT-ND	.76	.69	.58	381	