

ECS INC. Thru-Hole Oscillators (Cont.)

Fig.	Frequency (MHz)	Digi-Key Part No.	1	10	100	500	ECS Part No.	
1B	18.432000	XC250-ND	2.13	1.92	1.53	1.36	ECS-2100A-184	
	19.660800	XC251-ND	2.13	1.92	1.53	1.36	ECS-2100A-196.6	
	20.000000	X220-ND	2.13	1.92	1.53	1.36	ECS-2100A-200	
	24.000000	X221-ND	2.13	1.92	1.53	1.36	ECS-2100A-240	
	25.000000	XC252-ND	2.13	1.92	1.53	1.36	ECS-2100A-250	
	25.175000	X222-ND	2.13	1.92	1.53	1.36	ECS-2100A-251.7	
	28.322000	X223-ND	2.13	1.92	1.53	1.36	ECS-2100A-283.2	
	30.000000	XC253-ND	2.13	1.92	1.53	1.36	ECS-2100A-300	
	32.000000	XC254-ND	2.13	1.92	1.53	1.36	ECS-2100A-320	
	32.514000	X224-ND	2.13	1.92	1.53	1.36	ECS-2100A-325.1	
1B	35.000000	XC255-ND	2.13	1.92	1.53	1.36	ECS-2100A-350	
	40.000000	X225-ND	2.13	1.92	1.53	1.36	ECS-2100A-400	
	48.000000	XC256-ND	2.13	1.92	1.53	1.36	ECS-2100A-480	
	50.000000	X226-ND	2.13	1.92	1.53	1.36	ECS-2100A-500	
	64.000000	XC257-ND	2.13	1.92	1.53	1.36	ECS-2100A-640	
	66.666000	XC258-ND	2.13	1.92	1.53	1.36	ECS-2100A-666	
	ECS-2100AX Half Size Oscillators, 5.0V, 0°C - 70°C, ±100ppm — RoHS Compliant							
	1B	3.686400	XC1158-ND	2.13	1.92	1.53	1.36	ECS-2100AX-036
		4.000000	X960-ND	2.13	1.92	1.53	1.36	ECS-2100AX-040
		4.915200	XC1159-ND	2.13	1.92	1.53	1.36	ECS-2100AX-049
7.372800		X961-ND	2.13	1.92	1.53	1.36	ECS-2100AX-073.7	
8.000000		X962-ND	2.13	1.92	1.53	1.36	ECS-2100AX-080	
9.216000		XC1160-ND	2.13	1.92	1.53	1.36	ECS-2100AX-092.1	
9.830400		XC1161-ND	2.13	1.92	1.53	1.36	ECS-2100AX-098.3	
10.000000		XC1162-ND	2.13	1.92	1.53	1.36	ECS-2100AX-100	
11.059200		XC1163-ND	2.13	1.92	1.53	1.36	ECS-2100AX-110.5	
12.000000		XC1164-ND	2.13	1.92	1.53	1.36	ECS-2100AX-120	
1B	14.745600	XC1165-ND	2.13	1.92	1.53	1.36	ECS-2100AX-147.4	
	16.000000	X963-ND	2.13	1.92	1.53	1.36	ECS-2100AX-160	
	18.432000	XC1166-ND	2.13	1.92	1.53	1.36	ECS-2100AX-184	
	19.660800	XC1167-ND	2.13	1.92	1.53	1.36	ECS-2100AX-196.6	
	20.000000	X964-ND	2.13	1.92	1.53	1.36	ECS-2100AX-200	
	28.322000	X965-ND	2.13	1.92	1.53	1.36	ECS-2100AX-283.2	
	30.000000	XC1168-ND	2.13	1.92	1.53	1.36	ECS-2100AX-300	
	40.000000	X966-ND	2.13	1.92	1.53	1.36	ECS-2100AX-400	
	48.000000	XC1169-ND	2.13	1.92	1.53	1.36	ECS-2100AX-480	
	50.000000	X967-ND	2.13	1.92	1.53	1.36	ECS-2100AX-500	
ECS-100A Full Size Oscillators, 5.0V, 0°C - 70°C, ±100ppm								
2	1.000000	X101-ND	1.88	1.69	1.35	1.20	ECS-100A-010	
	1.228800	X102-ND	1.88	1.69	1.35	1.20	ECS-100A-012.2	
	1.843200	X103-ND	1.88	1.69	1.35	1.20	ECS-100A-018	
	2.000000	X104-ND	1.88	1.69	1.35	1.20	ECS-100A-020	
	2.457600	X105-ND	1.88	1.69	1.35	1.20	ECS-100A-024	
	3.579545	XC227-ND	1.88	1.69	1.35	1.20	ECS-100A-035	
	3.686400	X106-ND	1.88	1.69	1.35	1.20	ECS-100A-036	
	4.000000	X107-ND	1.88	1.69	1.35	1.20	ECS-100A-040	
	4.915200	X108-ND	1.88	1.69	1.35	1.20	ECS-100A-049	
	5.000000	X109-ND	1.88	1.69	1.35	1.20	ECS-100A-050	
2	5.068800	X110-ND	1.88	1.69	1.35	1.20	ECS-100A-051	
	6.000000	X111-ND	1.88	1.69	1.35	1.20	ECS-100A-060	
	6.144000	X122-ND	1.88	1.69	1.35	1.20	ECS-100A-061	
	7.372800	X123-ND	1.88	1.69	1.35	1.20	ECS-100A-073	
	8.000000	X112-ND	1.88	1.69	1.35	1.20	ECS-100A-080	
	9.216000	X113-ND	1.88	1.69	1.35	1.20	ECS-100A-092.1	
	9.830400	X124-ND	1.88	1.69	1.35	1.20	ECS-100A-098.3	
	10.000000	X114-ND	1.88	1.69	1.35	1.20	ECS-100A-100	
	11.059200	X125-ND	1.88	1.69	1.35	1.20	ECS-100A-110.5	
	12.000000	X126-ND	1.88	1.69	1.35	1.20	ECS-100A-120	
2	14.318180	X115-ND	1.88	1.69	1.35	1.20	ECS-100A-143	
	14.745600	X127-ND	1.88	1.69	1.35	1.20	ECS-100A-147.4	
	16.000000	X116-ND	1.88	1.69	1.35	1.20	ECS-100A-160	
	16.257000	X128-ND	1.88	1.69	1.35	1.20	ECS-100A-162.5	
	18.000000	X117-ND	1.88	1.69	1.35	1.20	ECS-100A-180	
	18.432000	X118-ND	1.88	1.69	1.35	1.20	ECS-100A-184	
	19.660800	XC314-ND	1.88	1.69	1.35	1.20	ECS-100A-196.6	
	20.000000	X119-ND	1.88	1.69	1.35	1.20	ECS-100A-200	
	24.000000	X129-ND	1.88	1.69	1.35	1.20	ECS-100A-240	
	25.000000	XC315-ND	1.88	1.69	1.35	1.20	ECS-100A-250	
2	25.175000	X130-ND	1.88	1.69	1.35	1.20	ECS-100A-251.7	
	28.322000	X131-ND	1.88	1.69	1.35	1.20	ECS-100A-283.2	
	30.000000	XC316-ND	1.88	1.69	1.35	1.20	ECS-100A-300	
	32.000000	X132-ND	1.88	1.69	1.35	1.20	ECS-100A-320	
	32.514000	X133-ND	1.88	1.69	1.35	1.20	ECS-100A-325.1	
	35.000000	X134-ND	1.88	1.69	1.35	1.20	ECS-100A-350	
	40.000000	X120-ND	1.88	1.69	1.35	1.20	ECS-100A-400	
	48.000000	X135-ND	1.88	1.69	1.35	1.20	ECS-100A-480	
	50.000000	X121-ND	1.88	1.69	1.35	1.20	ECS-100A-500	
	64.000000	X136-ND	1.88	1.69	1.35	1.20	ECS-100A-640	
66.666000	XC228-ND	1.88	1.69	1.35	1.20	ECS-100A-666		
ECS-100AX Full Size Oscillators, 5.0V, 0°C - 70°C, ±100ppm — RoHS Compliant								
2	1.000000	X937-ND	1.88	1.69	1.35	1.20	ECS-100AX-010	
	1.228800	X938-ND	1.88	1.69	1.35	1.20	ECS-100AX-012.2	
	1.843200	X939-ND	1.88	1.69	1.35	1.20	ECS-100AX-018	
	2.000000	X940-ND	1.88	1.69	1.35	1.20	ECS-100AX-020	
	3.579545	XC1154-ND	1.88	1.69	1.35	1.20	ECS-100AX-035	
	3.686400	X941-ND	1.88	1.69	1.35	1.20	ECS-100AX-036	
	4.000000	X942-ND	1.88	1.69	1.35	1.20	ECS-100AX-040	
	6.000000	X943-ND	1.88	1.69	1.35	1.20	ECS-100AX-060	
	6.144000	X952-ND	1.88	1.69	1.35	1.20	ECS-100AX-061	
	7.372800	X953-ND	1.88	1.69	1.35	1.20	ECS-100AX-073	
2	8.000000	X944-ND	1.88	1.69	1.35	1.20	ECS-100AX-080	
	9.830400	X954-ND	1.88	1.69	1.35	1.20	ECS-100AX-098.3	
	10.000000	X945-ND	1.88	1.69	1.35	1.20	ECS-100AX-100	
	11.059200	X955-ND	1.88	1.69	1.35	1.20	ECS-100AX-110.5	
	14.318180	X946-ND	1.88	1.69	1.35	1.20	ECS-100AX-143	
	14.745600	X956-ND	1.88	1.69	1.35	1.20	ECS-100AX-147.4	

Fig.	Frequency (MHz)	Digi-Key Part No.	1	10	100	500	ECS Part No.	
2	16.000000	X947-ND	1.88	1.69	1.35	1.20	ECS-100AX-160	
	18.432000	X948-ND	1.88	1.69	1.35	1.20	ECS-100AX-184	
	19.660800	XC1155-ND	1.88	1.69	1.35	1.20	ECS-100AX-196.6	
	20.000000	X949-ND	1.88	1.69	1.35	1.20	ECS-100AX-200	
	25.000000	XC1156-ND	1.88	1.69	1.35	1.20	ECS-100AX-250	
	30.000000	XC1157-ND	1.88	1.69	1.35	1.20	ECS-100AX-300	
	32.000000	X957-ND	1.88	1.69	1.35	1.20	ECS-100AX-320	
	40.000000	X950-ND	1.88	1.69	1.35	1.20	ECS-100AX-400	
	48.000000	X958-ND	1.88	1.69	1.35	1.20	ECS-100AX-480	
	50.000000	X951-ND	1.88	1.69	1.35	1.20	ECS-100AX-500	
64.000000	X959-ND	1.88	1.69	1.35	1.20	ECS-100AX-640		
ECS-300C Dual Output Oscillators, 5.0V, -10°C - 70°C, ±100ppm								
3	12.000000	XC301-ND	5.35	4.46	3.57	2.88	ECS-300C-120	
	12.288000	XC302-ND	5.35	4.46	3.57	2.88	ECS-300C-122.8	
	12.800000	XC303-ND	5.35	4.46	3.57	2.88	ECS-300C-128	
	14.318180	XC304-ND	5.35	4.46	3.57	2.88	ECS-300C-143	
	14.745600	XC305-ND	5.35	4.46	3.57	2.88	ECS-300C-147.4	
	15.974400	XC306-ND	5.35	4.46	3.57	2.88	ECS-300C-159.7	
	16.000000	XC307-ND	5.35	4.46	3.57	2.88	ECS-300C-160	
	16.384000	XC308-ND	5.35	4.46	3.57	2.88	ECS-300C-163.8	
	17.734476	XC309-ND	5.35	4.46	3.57	2.88	ECS-300C-177.3	
	18.432000	XC310-ND	5.35	4.46	3.57	2.88	ECS-300C-184	
3	19.660800	XC311-ND	5.35	4.46	3.57	2.88	ECS-300C-196.6	
	20.000000	XC312-ND	5.35	4.46	3.57	2.88	ECS-300C-200	
	24.000000	XC313-ND	5.35	4.46	3.57	2.88	ECS-300C-240	
	ECS-300CX Dual Output Oscillators, 5.0V, -10°C - 70°C, ±100ppm — RoHS Compliant							
	3	12.000000	XC1170-ND	5.35	4.46	3.57	2.88	ECS-300CX-120
		12.800000	XC1171-ND	5.35	4.46	3.57	2.88	ECS-300CX-128
		14.318180	XC1172-ND	5.35	4.46	3.57	2.88	ECS-300CX-143
		16.000000	XC1173-ND	5.35	4.46	3.57	2.88	ECS-300CX-160
		16.384000	XC1174-ND	5.35	4.46	3.57	2.88	ECS-300CX-163.8
		18.432000	XC1175-ND	5.35	4.46	3.57	2.88	ECS-300CX-184
20.000000		XC1176-ND	5.35	4.46	3.57	2.88	ECS-300CX-200	
24.000000		XC1177-ND	5.35	4.46	3.57	2.88	ECS-300CX-240	

A463-ND Aries Electronics Inc. Half Size 4-Pin Oscillator Sockets..... /58/1 12.08/25 39.12/100
A462-ND Aries Electronics Inc. Full Size 4-Pin Oscillator Sockets..... /58/1 12.08/25 39.12/100

Quartz Crystals

CSM-7X-3L Series

