

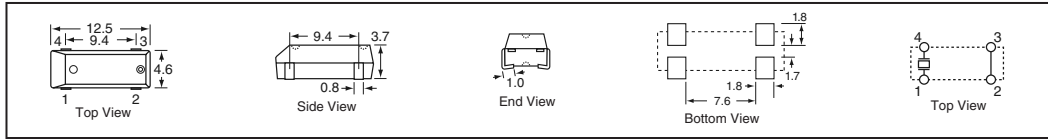


# ECX-3S Series Surface Mount Quartz Crystals



**Electrical Characteristics:**

- Frequency Tolerance: ±30ppm
- Shunt Capacitance: 7pF
- Drive Level: 100µW
- Operating Temperature: -10°C ~ 70°C
- Storage Temperature: -40°C ~ 85°C
- Operating Mode: Fundamental



Frequency (MHz)	Load Cap.	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Pricing† 1,000	ECS Part No.
			1	10	100		
<b>ECX-3S</b>							
3.579545	Series	XC529CT-ND	2.43	2.02	1.62	1209.90	ECS-35-S-7S-TR
3.579545	17pF	XC501CT-ND‡	2.43	2.02	1.62	1209.90	ECS-35-17-7S-TR
3.686400	Series	XC502CT-ND‡	2.43	2.02	1.62	1209.90	ECS-36-S-7S-TR
3.686400	20pF	XC503CT-ND‡	2.43	2.02	1.62	1209.90	ECS-36-20-7S-TR
4.000000	Series	XC504CT-ND‡	2.43	2.02	1.62	1209.90	ECS-40-S-7S-TR
4.000000	20pF	XC505CT-ND‡	2.43	2.02	1.62	1209.90	ECS-40-20-7S-TR
4.096000	16pF	XC500CT-ND	2.43	2.02	1.62	1209.90	ECS-41-16-7S-TR
4.194304	12pF	XC530CT-ND	2.43	2.02	1.62	1209.90	ECS-42-12-7S-TR
4.433618	20pF	XC506CT-ND‡	2.43	2.02	1.62	1209.90	ECS-44-20-7S-TR
4.915200	Series	XC507CT-ND‡	2.43	2.02	1.62	1209.90	ECS-49-S-7S-TR
4.915200	20pF	XC508CT-ND‡	2.43	2.02	1.62	1209.90	ECS-49-20-7S-TR
5.000000	20pF	XC499CT-ND	2.43	2.02	1.62	1209.90	ECS-50-20-7S-TR
6.000000	Series	XC497CT-ND	2.43	2.02	1.62	1209.90	ECS-60-S-7S-TR
6.000000	32pF	XC498CT-ND	2.43	2.02	1.62	1209.90	ECS-60-32-7S-TR
6.144000	32pF	XC509CT-ND‡	2.43	2.02	1.62	1209.90	ECS-61-32-7S-TR
6.553600	12pF	XC496CT-ND	2.43	2.02	1.62	1209.90	ECS-65-12-7S-TR
7.372800	Series	XC510CT-ND‡	2.43	2.02	1.62	1209.90	ECS-73-S-7S-TR
7.372800	20pF	XC536CT-ND	2.43	2.02	1.62	1209.90	ECS-73-20-7S-TR
8.000000	Series	XC511CT-ND‡	2.43	2.02	1.62	1209.90	ECS-80-S-7S-TR
8.000000	16pF	XC495CT-ND	2.43	2.02	1.62	1209.90	ECS-80-16-7S-TR
9.830400	Series	XC512CT-ND‡	2.43	2.02	1.62	1209.90	ECS-98.3-S-7S-TR
9.830400	20pF	XC513CT-ND‡	2.43	2.02	1.62	1209.90	ECS-98.3-20-7S-TR
10.000000	Series	XC514CT-ND‡	2.43	2.02	1.62	1209.90	ECS-100-S-7S-TR
11.059200	Series	XC515CT-ND‡	2.43	2.02	1.62	1209.90	ECS-110.5-S-7S-TR
11.059200	20pF	XC516CT-ND‡	2.43	2.02	1.62	1209.90	ECS-110.5-20-7S-TR
12.000000	Series	XC517CT-ND‡	2.43	2.02	1.62	1209.90	ECS-120-S-7S-TR
12.000000	18pF	XC548CT-ND	2.43	2.02	1.62	1209.90	ECS-120-18-7S-TR
12.000000	32pF	XC494CT-ND	2.43	2.02	1.62	1209.90	ECS-120-32-7S-TR
12.288000	Series	XC518CT-ND‡	2.43	2.02	1.62	1209.90	ECS-122.8-S-7S-TR
12.288000	20pF	XC493CT-ND	2.43	2.02	1.62	1209.90	ECS-122.8-20-7S-TR
14.318180	Series	XC519CT-ND‡	2.43	2.02	1.62	1209.90	ECS-143-S-7S-TR
14.318180	20pF	XC492CT-ND	2.43	2.02	1.62	1209.90	ECS-143-20-7S-TR
14.745600	Series	XC520CT-ND‡	2.43	2.02	1.62	1209.90	ECS-147.4-S-7S-TR
14.745600	20pF	XC491CT-ND	2.43	2.02	1.62	1209.90	ECS-147.4-20-7S-TR
16.000000	Series	XC521CT-ND‡	2.43	2.02	1.62	1209.90	ECS-160-S-7S-TR
16.000000	20pF	XC550CT-ND	2.43	2.02	1.62	1209.90	ECS-160-20-7S-TR
18.432000	Series	XC522CT-ND‡	2.43	2.02	1.62	1209.90	ECS-184-S-7S-TR
19.668000	Series	XC523CT-ND‡	2.43	2.02	1.62	1209.90	ECS-196.6-S-7S-TR
19.668000	20pF	XC490CT-ND	2.43	2.02	1.62	1209.90	ECS-196.6-20-7S-TR
20.000000	Series	XC524CT-ND‡	2.43	2.02	1.62	1209.90	ECS-200-S-7S-TR
20.000000	16pF	XC489CT-ND	2.43	2.02	1.62	1209.90	ECS-200-16-7S-TR
20.000000	20pF	XC525CT-ND‡	2.43	2.02	1.62	1209.90	ECS-200-20-7S-TR
23.592000	Series	XC559CT-ND	2.28	1.90	1.52	1136.19	ECS-235.92-S-7S-TR
24.000000	Series	XC526CT-ND‡	2.28	1.90	1.52	1136.19	ECS-240-S-7S-TR

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

‡ XC-KIT-ND Digi-Key® SMT Low Profile Quartz Crystal Kit 3 each of values denoted (78 total pieces). Notebook style storage case and bin storage guide included ..... \$189.65

Frequency (MHz)	Load Cap.	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Pricing† 1,000	ECS Part No.
			1	10	100		
24.000000	16pF	XC528CT-ND	2.28	1.90	1.52	1136.19	ECS-240-16-7S-TR
24.000000	20pF	XC527CT-ND‡	2.28	1.90	1.52	1136.19	ECS-240-20-7S-TR
<b>ECX-3SX — RoHS Compliant</b>							
3.579545	Series	XC1229CT-ND	2.43	2.02	1.62	1209.90	ECS-35-S-7SX-TR
3.579545	17pF	XC1206CT-ND	2.43	2.02	1.62	1209.90	ECS-35-17-7SX-TR
3.686400	Series	XC1207CT-ND	2.43	2.02	1.62	1209.90	ECS-36-S-7SX-TR
3.686400	20pF	XC1208CT-ND	2.43	2.02	1.62	1209.90	ECS-36-20-7SX-TR
4.000000	Series	XC1209CT-ND	2.43	2.02	1.62	1209.90	ECS-40-S-7SX-TR
4.000000	20pF	XC1210CT-ND	2.43	2.02	1.62	1209.90	ECS-40-20-7SX-TR
4.096000	16pF	XC1205CT-ND	2.43	2.02	1.62	1209.90	ECS-41-16-7SX-TR
4.194304	12pF	XC1230CT-ND	2.43	2.02	1.62	1209.90	ECS-42-12-7SX-TR
4.915200	Series	XC1211CT-ND	2.43	2.02	1.62	1209.90	ECS-49-S-7SX-TR
4.915200	20pF	XC1212CT-ND	2.43	2.02	1.62	1209.90	ECS-49-20-7SX-TR
5.000000	20pF	XC1204CT-ND	2.43	2.02	1.62	1209.90	ECS-50-20-7SX-TR
6.000000	Series	XC1202CT-ND	2.43	2.02	1.62	1209.90	ECS-60-S-7SX-TR
6.000000	32pF	XC1203CT-ND	2.43	2.02	1.62	1209.90	ECS-60-32-7SX-TR
6.144000	32pF	XC1213CT-ND	2.43	2.02	1.62	1209.90	ECS-61-32-7SX-TR
7.372800	Series	XC1214CT-ND	2.43	2.02	1.62	1209.90	ECS-73-S-7SX-TR
7.372800	20pF	XC1231CT-ND	2.43	2.02	1.62	1209.90	ECS-73-20-7SX-TR
8.000000	Series	XC1215CT-ND	2.43	2.02	1.62	1209.90	ECS-80-S-7SX-TR
8.000000	16pF	XC1200CT-ND	2.43	2.02	1.62	1209.90	ECS-80-16-7SX-TR
9.830400	20pF	XC1216CT-ND	2.43	2.02	1.62	1209.90	ECS-98.3-20-7SX-TR
10.000000	Series	XC1217CT-ND	2.43	2.02	1.62	1209.90	ECS-100-S-7SX-TR
11.059200	Series	XC1218CT-ND	2.43	2.02	1.62	1209.90	ECS-110.5-S-7SX-TR
11.059200	20pF	XC1219CT-ND	2.43	2.02	1.62	1209.90	ECS-110.5-20-7SX-TR
12.000000	Series	XC1220CT-ND	2.43	2.02	1.62	1209.90	ECS-120-S-7SX-TR
12.000000	18pF	XC1232CT-ND	2.43	2.02	1.62	1209.90	ECS-120-18-7SX-TR
12.288000	Series	XC1221CT-ND	2.43	2.02	1.62	1209.90	ECS-122.8-S-7SX-TR
12.288000	20pF	XC1199CT-ND	2.43	2.02	1.62	1209.90	ECS-122.8-20-7SX-TR
14.318180	Series	XC1222CT-ND	2.43	2.02	1.62	1209.90	ECS-143-S-7SX-TR
14.745600	Series	XC1223CT-ND	2.43	2.02	1.62	1209.90	ECS-147.4-S-7SX-TR
14.745600	20pF	XC1198CT-ND	2.43	2.02	1.62	1209.90	ECS-147.4-20-7SX-TR
16.000000	Series	XC1224CT-ND	2.43	2.02	1.62	1209.90	ECS-160-S-7SX-TR
16.000000	20pF	XC1233CT-ND	2.43	2.02	1.62	1209.90	ECS-160-20-7SX-TR
18.432000	Series	XC1225CT-ND	2.43	2.02	1.62	1209.90	ECS-184-S-7SX-TR
19.668000	20pF	XC1197CT-ND	2.43	2.02	1.62	1209.90	ECS-196.6-20-7SX-TR
20.000000	Series	XC1226CT-ND	2.43	2.02	1.62	1209.90	ECS-200-S-7SX-TR
20.000000	16pF	XC1196CT-ND	2.43	2.02	1.62	1209.90	ECS-200-16-7SX-TR
20.000000	20pF	XC1227CT-ND	2.43	2.02	1.62	1209.90	ECS-200-20-7SX-TR
24.000000	20pF	XC1228CT-ND	2.28	1.90	1.52	1136.19	ECS-240-20-7SX-TR

## Surface Mount Quartz Crystals

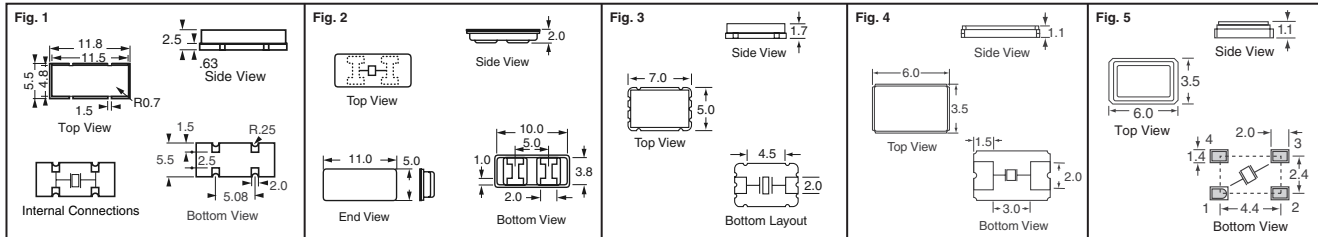


Fig.	Maximum ESR (Ohm)	Load Cap.	Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each				Digi-Key Part No.	Tape and Reel Pricing 1,000	ECS Part No.
					1	10	100	500			
<b>CSM-12, -40 ~ 85°C</b>											
1	200	17pF	3.579545	XC584CT-ND	2.33	2.10	1.75	1.40	XC584TR-ND	1165.09	ECS-35-17-18-TR
	200	18pF	3.686400	XC1709CT-ND <b>NEW!</b>	2.33	2.10	1.75	1.40	XC1709TR-ND <b>NEW!</b>	1165.09	ECS-36-18-18-TR
	200	20pF	3.686400	XC586CT-ND	2.33	2.10	1.75	1.40	XC586TR-ND	1165.09	ECS-36-20-18-TR
	200	Series	3.686400	XC585CT-ND	2.33	2.10	1.75	1.40	XC585TR-ND	1165.09	ECS-36-S-18-TR
	150	18pF	4.000000	XC1707CT-ND <b>NEW!</b>	2.33	2.10	1.75	1.40	XC1707TR-ND <b>NEW!</b>	1165.09	ECS-40-18-18-TR
	150	20pF	4.000000	XC587CT-ND	2.33	2.10	1.75	1.40	XC587TR-ND	1165.09	ECS-40-20-18-TR
	150	Series	4.000000	XC588CT-ND	2.33	2.10	1.75	1.40	XC588TR-ND	1165.09	ECS-40-S-18-TR
	150	18pF	4.096000	XC1722CT-ND <b>NEW!</b>	2.33	2.10	1.75	1.40	XC1722TR-ND <b>NEW!</b>	1165.09	ECS-41-18-18-TR
	150	18pF	4.915200	XC1718CT-ND <b>NEW!</b>	2.33	2.10	1.75	1.40	XC1718TR-ND <b>NEW!</b>	1165.09	ECS-49-18-18-TR
	150	20pF	4.915200	XC589CT-ND	2.33	2.10	1.75	1.40	XC589TR-ND	1165.09	ECS-49-20-18-TR
	150	Series	4.915200	XC590CT-ND	2.33	2.10	1.75	1.40	XC590TR-ND	1165.09	ECS-49-S-18-TR
	150	18pF	5.000000	XC1720CT-ND <b>NEW!</b>	2.33	2.10	1.75	1.40	XC1720TR-ND <b>NEW!</b>	1165.09	ECS-50-18-18-TR
	100	18pF	6.000000	XC1708CT-ND <b>NEW!</b>	2.33	2.10	1.75	1.40	XC1708TR-ND <b>NEW!</b>	1165.09	ECS-60-18-18-TR
	100	32pF	6.144000	XC591CT-ND	2.33	2.10	1.75	1.40	XC591TR-ND	1165.09	ECS-61-32-18-TR
	100	18pF	7.372800	XC1714CT-ND <b>NEW!</b>	2.33	2.10	1.75	1.40	XC1714TR-ND <b>NEW!</b>	1165.09	ECS-73-18-18-TR
	100										