

**EPSON TOYOCOM Quartz Crystals - CA-301 Type, Cylinder (Cont.)**

Frequency (MHz)	Digi-Key Part No.	Price Each			Epson Part No.
		1	10	50	
24.000000	SE3440-ND	.77	.65	.45	CA-301 24.0000M-C
25.175000	SE3442-ND	.77	.65	.45	CA-301 25.1750M-C
27.000000	SE3443-ND	.77	.65	.45	CA-301 27.0000M-C:(FUND)
28.000000	SE3444-ND	.77	.65	.45	CA-301 28.0000M-C:(FUND)
28.322000	SE3445-ND	.77	.65	.45	CA-301 28.3220M-C:(FUND)
32.000000	SE3446-ND	.77	.65	.45	CA-301 32.0000M-C
33.000000	SE3448-ND	.77	.65	.45	CA-301 33.0000M-C
33.333000	SE3449-ND	.77	.65	.45	CA-301 33.3330M-C
36.000000	SE3450-ND	.77	.65	.45	CA-301 36.0000M-C
46.000000	SE3453-ND	.77	.65	.45	CA-301 46.0000M-C
49.860000	SE3454-ND	.77	.65	.45	CA-301 49.8600M-C
50.000000	SE3455-ND	.77	.65	.45	CA-301 50.0000M-C
60.000000	SE3457-ND	.89	.75	.51	CA-301 60.000M-C
<b>RoHS Compliant</b>					
4.000000	SER3404-ND†	1.99	1.71	1.43	CA-301 4.0000M-C:PBFFREE
4.194304	SER3405-ND†	1.99	1.71	1.43	CA-301 4.194304M-C:PBFFREE
4.915200	SER3407-ND†	1.99	1.71	1.43	CA-301 4.9152M-C:PBFFREE
5.500000	SER3408-ND†	.90	.77	.65	CA-301 5.5000M-C:PBFFREE
6.000000	SER3409-ND	.90	.77	.65	CA-301 6.000M-C:PBFFREE
6.144000	SER3410-ND	.90	.77	.65	CA-301 6.1440M-C:PBFFREE
7.200000	SER3412-ND	.90	.77	.65	CA-301 7.200M-C:PBFFREE
7.372000	SER3413-ND	.90	.77	.65	CA-301 7.372M-C:PBFFREE
8.000000	SER3414-ND	.90	.77	.65	CA-301 8.000M-C:PBFFREE

Frequency (MHz)	Digi-Key Part No.	Price Each			Epson Part No.
		1	10	50	
8.388000	SER3415-ND	.90	.77	.65	CA-301 8.388M-C:PBFFREE
8.432000	SER3416-ND	.90	.77	.65	CA-301 8.432M-C:PBFFREE
9.600000	SER3418-ND	.90	.77	.65	CA-301 9.600M-C:PBFFREE
9.830000	SER3419-ND	.90	.77	.65	CA-301 9.830M-C:PBFFREE
10.000000	SER3420-ND	.90	.77	.65	CA-301 10.000M-C:PBFFREE
10.240000	SER3421-ND	.90	.77	.65	CA-301 10.2400M-C:PBFFREE
11.059200	SER3423-ND	.90	.77	.65	CA-301 11.0592M-C:PBFFREE
12.000000	SER3424-ND	.90	.77	.65	CA-301 12.000M-C:PBFFREE
12.288000	SER3426-ND	.90	.77	.65	CA-301 12.2880M-C:PBFFREE
14.318180	SER3429-ND	.90	.77	.65	CA-301 14.31818M-C:PBFFREE
14.745600	SER3431-ND	.90	.77	.65	CA-301 14.7456M-C:PBFFREE
16.000000	SER3433-ND	.90	.77	.65	CA-301 16.000M-C:PBFFREE
18.000000	SER3435-ND	.90	.77	.65	CA-301 18.000M-C:PBFFREE
18.432000	SER3436-ND	.90	.77	.65	CA-301 18.4320M-C:PBFFREE
19.660800	SER3437-ND	.90	.77	.65	CA-301 19.6608M-C:PBFFREE
20.000000	SER3438-ND	.90	.77	.65	CA-301 20.000M-C:PBFFREE
22.118400	SER3439-ND	.90	.77	.65	CA-301 22.1184M-C:PBFFREE
24.000000	SER3440-ND	.90	.77	.65	CA-301 24.000M-C:PBFFREE
25.000000	SER3441-ND	.90	.77	.65	CA-301 25.000M-C:PBFFREE
27.000000	SER3443-ND	.90	.77	.65	CA-301 27.000M-C:(FUND):PBFFREE
33.000000	SER3448-ND	.90	.77	.65	CA-301 33.000M-C:PBFFREE
40.000000	SER3451-ND	.90	.77	.65	CA-301 40.000M-C:PBFFREE

† Operating Temperature -10°C – 60°C

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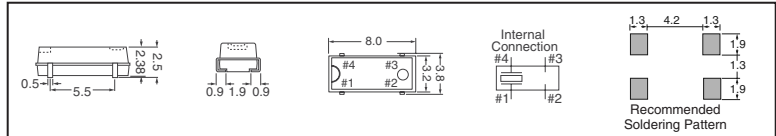
**Chipset Crystals**



Frequency (MHz)	Load Capacitance (pF)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 250	Epson Part No.	Compatible Chip Sets and Applications
			1	10	50				
16.0000	9.0	SER3628CT-ND	1.68	1.41	1.27	SER3628TR-ND	280.28	TSX-3225 16.0000MF09Z-AC3	CSR, Bluetooth®
16.0000	9.0	SER3636CT-ND	1.59	1.33	1.19	SER3636TR-ND	264.26	TSX-3225 16.0000MF18X-AC3	Freescale, ZigBee™
20.0000	9.0	SER3629CT-ND	2.76	2.31	2.08	SER3629TR-ND	460.46	TSX-3225 20.0000MF20G-AC3	CSR, Bluetooth®
24.0000	9.0	SER3634CT-ND	2.76	2.31	2.08	SER3634TR-ND	460.46	TSX-3225 24.0000MF20G-AC3	Freescale, ZigBee™
24.0000	9.0	SER3635CT-ND	2.76	2.31	2.08	SER3635TR-ND	460.46	TSX-3225 24.0000MF15X-AC3	Freescale, ZigBee™
26.0000	9.0	SER3627CT-ND	1.68	1.41	1.27	SER3627TR-ND	280.28	TSX-3225 26.0000MF09Z-AC3	CSR, Bluetooth®, GSM
38.4000	8.5	SER3625CT-ND	1.51	1.27	1.14	SER3625TR-ND	252.25	TSX-3225 38.4000MF10Z-AS3	Marvell, WLAN
40.0000	9.0	SER3626CT-ND	2.76	2.31	2.08	SER3626TR-ND	460.46	TSX-3225 40.0000MF10Z-AC3	Marvell, WLAN, WIMAX
16.0000	9.0	SER3630CT-ND	1.75	1.47	1.32	SER3630TR-ND	292.29	TSX-4025 16.0000MF09Z-AC3	CSR, Bluetooth®
26.0000	9.0	SER3633CT-ND	3.48	2.91	2.62	SER3633TR-ND	580.58	FA-20H 26.0000ML81Z-AC3	CSR, Bluetooth®, GSM
38.4000	8.5	SER3631CT-ND	3.48	2.91	2.62	SER3631TR-ND	580.58	FA-20H 38.4000MF10Z-AS3	Marvell, WLAN
40.0000	9.0	SER3632CT-ND	3.48	2.91	2.62	SER3632TR-ND	580.58	FA-20H 40.0000MF15Z-AC3	Analog Devices, WLAN, WIMAX

**MA-306 Series Crystal**

Specifications: • Storage Temperature: -55°C – 100°C, stored as naked product after unpacking • Operating Temperature: -20°C – 70°C • Maximum Drive Level: 2mW • Recommended Drive Level: 10µW – 100µW • Frequency Tolerance (standard): ±50ppm • Frequency Temperature Characteristics (standard): ±30ppm, -20°C – 70°C, DL=100µW • Load Capacitance: 18pF • Series Resistance: 60Ω Maximum, -20°C – 70°C, DL=100µW • Shunt Capacitance: 5pF Maximum • Aging: ±5ppm/year Maximum



Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 1,000	Epson Part No.
		1	10	50			
18.00000	SE2701CT-ND	1.71	1.47	1.23	SE2701TR-ND	683.88	MA-306 18.0000M-C0
18.43200	SE2702CT-ND	1.71	1.47	1.23	SE2702TR-ND	683.88	MA-306 18.4320M-C0
19.66080	SE2704CT-ND	1.71	1.47	1.23	SE2704TR-ND	683.88	MA-306 19.6608M-C0
22.11840	SE2707CT-ND	1.71	1.47	1.23	SE2707TR-ND	683.88	MA-306 22.1184M-C0
24.00000	SE2708CT-ND	1.71	1.47	1.23	SE2708TR-ND	683.88	MA-306 24.0000M-C0
25.00000	SE2710CT-ND	1.71	1.47	1.23	SE2710TR-ND	683.88	MA-306 25.0000M-C0
25.17500	SE2711CT-ND	1.71	1.47	1.23	SE2711TR-ND	683.88	MA-306 25.1750M-C0
27.00000	SE2712CT-ND	1.71	1.47	1.23	SE2712TR-ND	683.88	MA-306 27.0000M-C0
28.00000	SE2713CT-ND	1.71	1.47	1.23	SE2713TR-ND	683.88	MA-306 28.0000M-C0
28.63636	SE2715CT-ND	1.71	1.47	1.23	SE2715TR-ND	683.88	MA-306 28.63636M-C0
29.49120	SE2716CT-ND	1.71	1.47	1.23	SE2716TR-ND	683.88	MA-306 29.4912M-C0
32.00000	SE2718CT-ND	1.71	1.47	1.23	SE2718TR-ND	683.88	MA-306 32.0000M-C0
40.00000	SE2725CT-ND	1.71	1.47	1.23	SE2725TR-ND	683.88	MA-306 40.0000M-C0
<b>RoHS Compliant</b>							
18.00000	SER2701CT-ND	1.71	1.47	1.23	SER2701TR-ND	683.88	MA-306 18.0000M-C0:ROHS
18.43200	SER2702CT-ND	1.71	1.47	1.23	SER2702TR-ND	683.88	MA-306 18.4320M-C0:ROHS
19.66080	SER2704CT-ND	1.71	1.47	1.23	SER2704TR-ND	683.88	MA-306 19.6608M-C0:ROHS
20.00000	SER2705CT-ND	1.71	1.47	1.23	SER2705TR-ND	683.88	MA-306 20.0000M-C0:ROHS
22.11840	SER2707CT-ND	1.71	1.47	1.23	SER2707TR-ND	683.88	MA-306 22.1184M-C0:ROHS
24.00000	SER2708CT-ND	1.71	1.47	1.23	SER2708TR-ND	683.88	MA-306 24.0000M-C0:ROHS
24.57600	SER2709CT-ND	1.71	1.47	1.23	SER2709TR-ND	683.88	MA-306 24.5760M-C0:ROHS
25.00000	SER2710CT-ND	1.71	1.47	1.23	SER2710TR-ND	683.88	MA-306 25.0000M-C0:ROHS
25.17500	SER2711CT-ND	1.71	1.47	1.23	SER2711TR-ND	683.88	MA-306 25.1750M-C0:ROHS
27.00000	SER2712CT-ND	1.71	1.47	1.23	SER2712TR-ND	683.88	MA-306 27.0000M-C0:ROHS
28.00000	SER2713CT-ND	1.71	1.47	1.23	SER2713TR-ND	683.88	MA-306 28.0000M-C0:ROHS
29.49120	SER2716CT-ND	1.71	1.47	1.23	SER2716TR-ND	683.88	MA-306 29.4912M-C0:ROHS
32.00000	SER2718CT-ND	1.71	1.47	1.23	SER2718TR-ND	683.88	MA-306 32.0000M-C0:ROHS
40.00000	SER2725CT-ND	1.71	1.47	1.23	SER2725TR-ND	683.88	MA-306 40.0000M-C0:ROHS

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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