

# CRYSTEK SMD Clock Oscillators



This product is RoHS compliant.

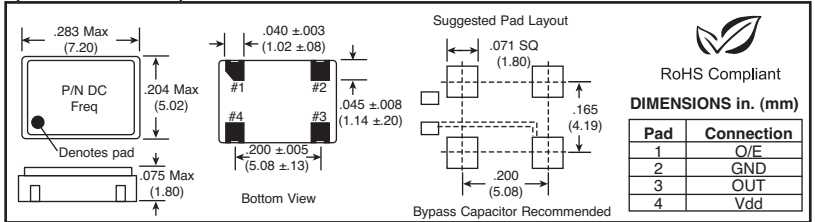
## C32XX AND C33XX SERIES CLOCK OSCILLATORS, 5 X 7MM SMD

### C32xx Specifications:

- Frequency Range: 1.544MHz~106.250MHz
- Input Current: 60mA Max
- Symmetry: 40/60% Max @ 50% Vdd
- Rise/Fall Time: 6ns Max @ 20% ~ 80% Vdd
- Load: 50pF/10TTL Max, HCMOS/ITL
- Logic: "0" = 10% Vdd Max, "1" = 90% Vdd Min
- Output Enable: VIH 2.4V Min.; VIL 0.4V Max.
- Jitter RMS: 0.5ps Typ, 1ps Max
- Industrial Temperature Available
- Input Voltage: 5V±0.5V

### C33xx Specifications:

- Frequency Range: 1.544MHz~156.250MHz
- Input Current: 40mA Max
- Symmetry: 45/55% Max @ 50% Vdd
- Rise/Fall Time: 8ns Max @ 20% to 80% Vdd
- Load: 30pF Max, >125MHz 15pF Max, HCMOS
- Logic: "0" = 10% Vdd Max, "1" = 90% Vdd Min
- Output Enable: VIH 2.4V Min.; VIL 0.4V Max.
- Jitter RMS: 0.5ps Typ, 1ps Max
- Industrial Temperature Available
- Input Voltage: 3.3V±0.3V



(Other frequencies and stabilities available, please contact your Mouser Sales Representative for more information.)

MOUSER STOCK NO.	Crystek Part Number	Frequency (MHz)	Stability over Temperature Range	Price Each						Reel Qty.
				1	25	50	100	250	500	
549-C3290-2.048	C3290-2.048	2.048	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.69
549-C3290-3.686400	C3290-3.686400	3.6864	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.69
549-C3290-20.000	C3290-20.000	20.000	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.69
549-C3290-33.000	C3290-33.000	33.000	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.69
549-C3290-45.000	C3290-45.000	45.000	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.69
549-C3292-10.000	C3292-10.000	10.000	±50ppm @ 0° to 70°C	2.60	2.44	2.36	2.32	1.63	1.30	1.00
549-C3292-16.0000	C3292-16.0000	16.000	±50ppm @ 0° to 70°C	2.60	2.44	2.36	2.32	1.63	1.30	1.00
549-C3292-32.768	C3292-32.768	32.768	±50ppm @ 0° to 70°C	2.60	2.44	2.36	2.32	1.63	1.30	1.00
549-C3292-40.000	C3292-40.000	40.000	±50ppm @ 0° to 70°C	2.60	2.44	2.36	2.32	1.63	1.30	1.00
549-C3292-49.152	C3292-49.152	49.152	±50ppm @ 0° to 70°C	2.60	2.44	2.36	2.32	1.63	1.30	1.00
549-C3292-50.000	C3292-50.000	50.000	±50ppm @ 0° to 70°C	2.60	2.44	2.36	2.32	1.63	1.30	1.00
549-C3291-1.544	C3291-1.544	1.544	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3291-2.048	C3291-2.048	2.048	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.09
549-C3291-20.000	C3291-20.000	20.000	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.09
549-C3291-24.704	C3291-24.704	24.704	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.09
549-C3291-25.000	C3291-25.000	25.000	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.09
549-C3291-49.152	C3291-49.152	49.152	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.09
549-C3291-50.000	C3291-50.000	50.000	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.09
549-C3390-3.686400	C3390-3.686400	3.6864	±100ppm @ 0° to 70°C	2.11	1.97	1.48	1.31	1.07	.94	.87
549-C3390-7.372800	C3390-7.372800	7.3728	±100ppm @ 0° to 70°C	2.11	1.97	1.48	1.31	1.07	.94	.87
549-C3390-8.192	C3390-8.192	8.192	±100ppm @ 0° to 70°C	2.11	1.97	1.48	1.31	1.07	.94	.87
549-C3390-10.000	C3390-10.000	10.000	±100ppm @ 0° to 70°C	2.11	1.97	1.48	1.31	1.07	.94	.87
549-C3390-20.000	C3390-20.000	20.000	±100ppm @ 0° to 70°C	2.11	1.97	1.48	1.31	1.07	.94	.87
549-C3390-24.576	C3390-24.576	24.576	±100ppm @ 0° to 70°C	2.11	1.97	1.48	1.31	1.07	.94	.87
549-C3390-25.000	C3390-25.000	25.000	±100ppm @ 0° to 70°C	2.11	1.97	1.48	1.31	1.07	.94	.87
549-C3390-33.000	C3390-33.000	33.000	±100ppm @ 0° to 70°C	2.11	1.97	1.48	1.31	1.07	.94	.87
549-C3390-75.000	C3390-75.000	75.000	±100ppm @ 0° to 70°C	3.29	2.92	2.74	2.56	2.19	1.46	1.03
549-C3390-80.000	C3390-80.000	80.000	±100ppm @ 0° to 70°C	3.29	2.92	2.74	2.56	2.19	1.46	1.03
549-C3392-1.544	C3392-1.544	1.544	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-2.048	C3392-2.048	2.048	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-8.192	C3392-8.192	8.192	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-10.000	C3392-10.000	10.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-12.288	C3392-12.288	12.288	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-16.0000	C3392-16.0000	16.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-16.384	C3392-16.384	16.384	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-19.440	C3392-19.440	19.440	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-20.000	C3392-20.000	20.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-24.576	C3392-24.576	24.576	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-25.000	C3392-25.000	25.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-34.368	C3392-34.368	34.368	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-35.328	C3392-35.328	35.328	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-40.000	C3392-40.000	40.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-44.736	C3392-44.736	44.736	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-50.000	C3392-50.000	50.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-51.840	C3392-51.840	51.840	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.76
549-C3392-66.000	C3392-66.000	66.000	±50ppm @ 0° to 70°C	2.13	1.83	1.60	1.52	1.28	1.17	.82
549-C3392-75.000	C3392-75.000	75.000	±50ppm @ 0° to 70°C	2.37	2.03	1.78	1.69	1.42	1.30	.91
549-C3392-100.000	C3392-100.000	100.000	±50ppm @ 0° to 70°C	3.83	3.63	3.37	3.06	2.75	2.60	1.97
549-C3392-125.000	C3392-125.000	125.000	±50ppm @ 0° to 70°C	4.53	4.30	3.98	3.62	3.26	3.08	2.67
549-C3392-133.000	C3392-133.000	133.000	±50ppm @ 0° to 70°C	6.35	6.03	5.59	5.08	4.57	4.32	3.27
549-C3392-156.250	C3392-156.250	156.250	±50ppm @ 0° to 70°C	13.16	12.10	10.99	9.92	8.81	7.70	6.34
549-C3391-1.544	C3391-1.544	1.544	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-2.048	C3391-2.048	2.048	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-4.096	C3391-4.096	4.096	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-8.064	C3391-8.064	8.064	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-8.192	C3391-8.192	8.192	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-10.000	C3391-10.000	10.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-12.000	C3391-12.000	12.000	±25ppm @ 0° to 70°C	2.64	2.62	2.60	2.55	2.38	1.76	1.09
549-C3391-12.288	C3391-12.288	12.288	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-12.352	C3391-12.352	12.352	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-16.000	C3391-16.000	16.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-16.384	C3391-16.384	16.384	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-19.440	C3391-19.440	19.440	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-20.000	C3391-20.000	20.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-24.000	C3391-24.000	24.000	±25ppm @ 0° to 70°C	2.64	2.62	2.60	2.55	2.38	1.76	1.09
549-C3391-24.576	C3391-24.576	24.576	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-25.000	C3391-25.000	25.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-32.768	C3391-32.768	32.768	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-33.333	C3391-33.333	33.333	±25ppm @ 0° to 70°C	2.64	2.62	2.60	2.55	2.38	1.76	1.09
549-C3391-34.368	C3391-34.368	34.368	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-35.328	C3391-35.328	35.328	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-44.736	C3391-44.736	44.736	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-49.152	C3391-49.152	49.152	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-50.000	C3391-50.000	50.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.09
549-C3391-51.840	C3391-51.840	51.840	±25ppm @ 0° to 70°C	2.72	2.50	2.27	2.05	1.82	1.59	1.29
549-C3391-66.000	C3391-66.000	66.000	±25ppm @ 0° to 70°C	2.80	2.58	2.34	2.11	1.87	1.64	1.32
549-C3391-75.000	C3391-75.000	75.000	±25ppm @ 0° to 70°C	3.02	2.78	2.52	2.28	2.02	1.76	1.43
549-C3391-80.000	C3391-80.000	80.000	±25ppm @ 0° to 70°C	3.62	3.33	3.02	2.73	2.42	2.11	1.71
549-C3391-100.000	C3391-100.000	100.000	±25ppm @ 0° to 70°C	6.26	5.75	5.22	4.72	4.19	3.66	2.96
549-C3391-125.000	C3391-125.000	125.000	±25ppm @ 0° to 70°C	6.39	5.88	5.33	4.82	4.28	3.74	3.36