

# CRYSTEK SMD Voltage Controlled Oscillators



RoHS Compliant This product is RoHS compliant.

## CRYSTEK SMD VCO'S

### CVCO33 Series VCO 0.3" x 0.3" SMD

The CVCO33 is an industry standard VCO package designed to meet the requirements for a variety of applications. It's small size does not sacrifice performance. Our CVCO33 family ranges in frequency from 50MHz to 2.0GHz. We offer very low phase noise and low Harmonic Suppression.

#### Applications:

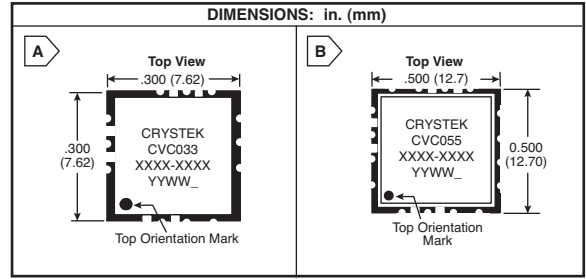
- Portable Radios
- Base Stations
- Test Instruments

### CVCO55 Series VCO, 0.5" x 0.5" SMD

The CVCO55 is an industry standard VCO package designed to meet the requirements for a variety of applications. With frequencies ranging from 50MHz to 5.8GHz, our CVCO55 family is our largest VCO product line. We offer bandwidths as wide as an octave, very low phase noise and low Harmonic Suppression.

#### Applications:

- Digital Radio Equipment
- Fixed Wireless Access
- Satellite Communication System
- Base Stations



(Other frequency ranges available. For other frequencies visit [www.mouser.com](http://www.mouser.com).)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Fig.	Frequency (MHz)	Phase Noise @ 10KHz Typ (dBc/Hz)	Tuning Voltage (Vdc)	Tuning Sensitivity (MHz/V)	Power (dBc)	VCC (Vdc)	Icc, Mas (mA)	Price Each		
										1	5	10
<b>CVCO33 Series VCO, 0.3" x 0.3" SMD</b>												
549-CV33CL110-150	CVCO33CL-0110-0150	A	110 to 150	-112	0 to 5.0	11	3.0±3.0	5.0±0.25	10	26.25	23.10	21.00
549-CV33CL125-200	CVCO33CL-0125-0200	A	125 to 200	-100	0.7 to 8.3	12	6.0±3.0	5.0±0.25	30	26.25	23.10	21.00
549-CV33CL204-206	CVCO33CL-0204-0206	A	204 to 206	-112	1.0 to 4.0	11	-1.0±3.0	5.0±0.25	15	26.25	23.10	21.00
549-CV33CL390-410	CVCO33CL-0390-0410	A	390 to 410	-105	0.5 to 4.5	12	3.0±3.0	5.0±0.25	15	26.25	23.10	21.00
549-CV33CL415-435	CVCO33CL-0415-0435	A	415 to 435	-103	0.5 to 4.5	12	3.0±3.0	5.0±0.25	15	26.75	23.54	21.40
549-CV33CL435-470	CVCO33CL-0435-0470	A	435 to 470	-103	0.5 to 4.5	10	3.0±3.0	5.0±0.25	15	26.75	23.54	21.40
549-CV33CL559-561	CVCO33CL-0559-0561	A	559 to 561	-95	0.5 to 4.5	12	4.0±2.0	4.0±0.25	15	26.75	23.54	21.40
549-CV33CL750-770	CVCO33CL-0750-0770	A	750 to 770	-103	0.5 to 2.5	30	4.5±3.0	2.7±0.25	11	26.75	23.54	21.40
<b>CVCO55 Series VCO, 0.5" x 0.5" SMD</b>												
549-CV55CL45-70	CVCO55CL-0045-0070	B	45 to 70	-115	0.5 to 10.5	4	5.0±3.0	5.0±0.25	15	27.63	24.31	22.10
549-CV55CW140-250	CVCO55CW-0140-0250	B	140 to 250	-100	0.5 to 10	10	3.0±2.0	5.0±0.25	15	30.38	26.73	24.30
549-CV55CL350-405	CVCO55CL-0350-405	B	350 to 405	-110	0.5 to 5	39	7.25±2.75	5.0±0.25	15	27.63	24.31	22.10
549-CV55CW250-450	CVCO55CW-0250-0450	B	250 to 450	-106	0.5 to 4.5	50	0.0±3.0	5.0±0.25	12	30.38	26.73	24.30
549-CV55CW250-500	CVCO55CW-0250-0500	B	250 to 500	-105	0.5 to 19	15	10.0±3.0	15.0±0.25	25	30.38	26.73	24.30
549-CV55CL393-428	CVCO55CL-0393-0428	B	393 to 428	-110	0.5 to 4.5	15	3.0±3.0	5.0±0.25	8	27.63	24.31	22.10
549-CV55CL490-540	CVCO55CL-0490-0540	B	490 to 540	-108	0.5 to 4.5	31	3.0±3.0	5.0±0.25	15	27.63	24.31	22.10
549-CV55CW500-1000	CVCO55CW-0500-1000	B	500 to 1000	-96	0.5 to 20.0	60	8.5±3.5	12.0±0.60	20	30.88	27.17	24.70
549-CV55CL600-880	CVCO55CL-0600-0880	B	600 to 880	-102	0.5 to 4.5	30	3.0±3.0	5.0±0.25	20	28.75	25.30	23.00
549-CV55CL805-900	CVCO55CL-0805-0900	B	805 to 900	-115	0.5 to 4.5	60	3.0±3.0	5.0±0.25	20	28.75	25.30	23.00
549-CV55CT902-928	CVCO55CT-0902-0928	B	902 to 928	-110	0.3 to 4.7	8	12.0±2.0	12.0±0.25	20	29.38	25.85	23.50
549-CV55CL0920-0980	CVCO55CL-0920-0980	B	920 to 980	-105	1.0 to 5.0	30	5.0±2.0	5.0±0.25	35	28.75	25.30	23.00
549-CV55BE960-1200	CVCO55BE-0960-1200	B	960 to 1200	-96	0.5 to 4.5	150	3.0±3.0	3.0±0.15	8	27.75	24.42	22.20
549-CV55BE1000-1500	CVCO55BE-1000-1500	B	1000 to 1500	-96	0.5 to 4.6	151	3.0±3.0	3.0±0.15	10	29.50	25.96	23.60
549-CV55BE1000-2000	CVCO55BE-1000-2000	B	1000 to 2000	-90	0.5 to 10	130	3.0±3.0	10.0±0.50	20	29.50	25.96	23.60
549-CV55CL1188-1212	CVCO55CL-1188-1212	B	1188 to 1212	-103	0 to 8	15	8.0±2.0	12.0±0.25	20	28.75	25.30	23.00
549-CV55CL1256-1264	CVCO55CL-1256-1264	B	1256 to 1264	-112	0.5 to 4.5	15	5.0±2.0	5.0±0.25	20	29.38	25.85	23.50
549-CV55BE1350-1400	CVCO55BE-1350-1400	B	1350 to 1400	-100	0.5 to 4.5	20	7.0±5.0	5.0±0.25	20	29.50	25.96	23.60
549-CV55BE1480-1600	CVCO55BE-1480-1600	B	1480 to 1600	-99	0.5 to 4.5	65	6.5±1.5	5.0±0.25	30	29.50	25.96	23.60
549-CV55BE1530-2700	CVCO55BE-1530-2700	B	1530 to 2700	-87	0.5 to 10	100	6.5±1.5	5.0±0.25	30	29.50	25.96	23.60
549-CV55BE1550-1650	CVCO55BE-1550-1650	B	1550 to 1650	-102	0.5 to 4.5	45	2.0±2.0	5.0±0.25	20	29.50	25.96	23.60
549-CV55BE1600-1850	CVCO55BE-1600-1850	B	1600 to 1850	-103	0.25 to 4.75	85	1.5±3.5	4.5±0.25	25	29.50	25.96	23.60
549-CV55BE1650-2050	CVCO55BE-1650-2050	B	1650 to 2050	-105	0 to 20	25	-2.5±2.5	8.0±0.40	28	29.50	25.96	23.60
549-CV55BE1690-2062	CVCO55BE-1690-2062	B	1690 to 2062	-93	0 to 5	145	5.0±2.0	5.0±0.25	20	29.50	25.96	23.60
549-CV55BE1800-2200	CVCO55BE-1800-2200	B	1800 to 2200	-100	0.5 to 18	57	-3.0±3.0	10.0±0.50	25	29.50	25.96	23.60
549-CV55BE1950-2070	CVCO55BE-1950-2070	B	1950 to 2070	-102	0.5 to 4.5	40	4.0±2.0	5.0±0.25	18	29.50	25.96	23.60
549-CV55BE1950-2150	CVCO55BE-1950-2150	B	1950 to 2150	-96	0.5 to 4.5	40	5.0±2.0	4.5±0.25	25	29.50	25.96	23.60
549-CV55BE2000-2800	CVCO55BE-2000-2800	B	2000 to 2800	-94	1 to 24	5	0.5±5.5	5.0±0.25	25	29.50	25.96	23.60
549-CV55BE2050-2474	CVCO55BE-2050-2474	B	2050 to 2474	-103	0 to 16	30	-2.5±2.5	8.0±0.40	28	30.75	27.06	24.60
549-CV55BE2130-2360	CVCO55BE-2130-2360	B	2130 to 2360	-103	0.5 to 4.5	25	0.0±2.0	5.0±0.25	25	30.75	27.06	24.60
549-CV55BE2270-2330	CVCO55BE-2270-2330	B	2270 to 2330	-103	1 to 5	30	5.0±2.0	5.0±0.25	35	30.75	27.06	24.60
549-CV55BE2300-2500	CVCO55BE-2300-2500	B	2300 to 2500	-103	2 to 10	30	6.0±3.0	8.0±0.40	29	30.75	27.06	24.60
549-CV55BE2430-2585	CVCO55BE-2430-2585	B	2430 to 2585	-99	0.2 to 4.8	38	2.0±2.0	5.0±0.25	15	30.75	27.06	24.60
549-CV55BE2650-2800	CVCO55BE-2650-2800	B	2650 to 2800	-102	0.5 to 4.5	40	0.0±3.0	5.0±0.25	35	33.00	29.04	26.40
549-CV55BE2900-3300	CVCO55BE-2900-3300	B	2900 to 3300	-95	0 to 16	30	-2.5±2.5	8.0±0.40	28	33.00	29.04	26.40
549-CV55BE2974-3274	CVCO55BE-2974-3274	B	2974 to 3274	-99	0.5 to 4.5	100	5.0±3.0	5.0±0.25	27	33.00	29.04	26.40
549-CV55BE3020-3265	CVCO55BE-3020-3265	B	3020 to 3265	-98	0.5 to 11.5	30	4.0±6.0	6.8±0.40	25	34.38	30.25	27.50
549-CV55BE3100-3350	CVCO55BE-3100-3350	B	3100 to 3350	-98	0.5 to 4.5	30	4.0±6.0	5.0±0.25	40	33.75	29.70	27.00
549-CV55BH4100-4300	CVCO55BH-4100-4300	B	4100 to 4300	-90	0.5 to 4.5	100	3.0±2.0	5.0±0.25	15	39.88	35.09	31.90
549-CV55BH5256-5356	CVCO55BH-5256-5356	B	5256 to 5356	-86	1.0 to 4.0	56	0.0±2.0	5.0±0.25	30	41.00	36.08	32.80
549-CV55BH5450-5550	CVCO55BH-5450-5550	B	5450 to 5550	-85	0.5 to 4.5	50	1.5±1.5	5.0±0.25	30	41.00	36.08	32.80

## CRYSTEK RED BOX VCO'S

The Crystek RedBox VCOs are a robust aluminum enclosure (1.25" x 1.25" x 0.59") with SMA connectors. The majority of Crystek's VCO portfolio will be available in the RedBox Series. This series makes the integration of a VCO into any application an easy, plug-and-play option.

#### Applications:

- PLL Frequency Translation
- Point-to-Point Radios
- Test and Measurement
- Multi-Point Radios
- Avionics

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Frequency (MHz)	Price Each
549-RBV55CL434-452	CRBV55CL-0434-0452	434-452MHz	75.00
549-RBV55CL450-470	CRBV55CL-0450-0470	450-470MHz	75.00
549-RBV55CL457-468	CRBV55CL-0457-0468	457-468MHz	75.00
549-RBV55CL467-493	CRBV55CL-0467-0493	467-493MHz	75.00
549-RBV55CL490-540	CRBV55CL-0490-0540	490-540MHz	75.00
549-RBV55CL550-700	CRBV55CL-0550-0700	550-700MHz	75.00
549-RBV55CL575-675	CRBV55CL-0575-0675	575-675MHz	75.00
549-RBV55CL600-880	CRBV55CL-0600-0880	600-880MHz	75.00
549-RBV55CL640-690	CRBV55CL-0640-0690	640-690MHz	75.00
549-RBV55CL805-900	CRBV55CL-0805-0900	805-900MHz	75.00
549-RBV55CL902-928	CRBV55CL-0902-0928	902-928MHz	75.00
549-RBV55CL900-940	CRBV55CL-0900-0940	900-928MHz	75.00
549-RBV55CL1032-1088	CRBV55CL-1032-1088	1032-1088MHz	75.00
549-RBV55CL1088-1144	CRBV55CL-1088-1144	1088-1144MHz	75.00
549-RBV55CL1188-1212	CRBV55CL-1188-1212	1188-1212MHz	75.00

