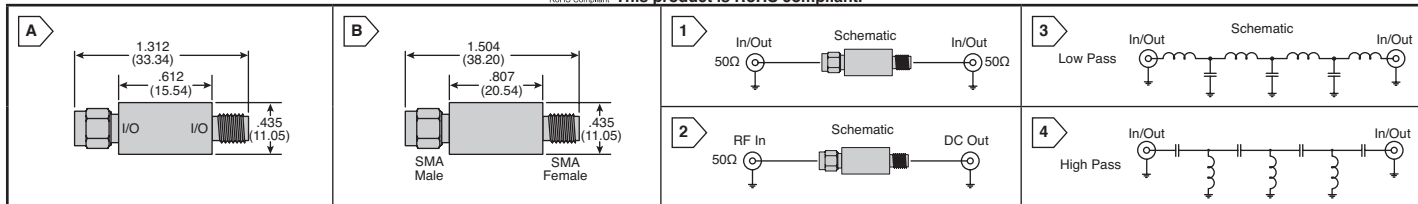


# CRYSTEK Oscillators, VCXOs and Filters



RoHS Compliant This product is RoHS compliant.



## FILTERS



DIMENSIONS: in. (mm)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Fig.	Schematic	Center Freq. (MHz)	Pass Bandwidth (MHz)	Price Each	
						1	5
<b>SAW Band Pass Filters</b>							
549-CBPFS-0836	CBPFS-0836	A	1	836.5	25	36.72	30.24
549-CBPFS-0881	CBPFS-0881	A	1	881.5	25	36.72	30.24
549-CBPFS-0902	CBPFS-0902	A	1	902.5	25	36.72	30.24
549-CBPFS-0915	CBPFS-0915	A	1	915.0	26	36.72	30.24
549-CBPFS-1880	CBPFS-1880	A	1	1880.0	60	36.72	30.24
549-CBPFS-1960	CBPFS-1960	A	1	1960.0	60	36.72	30.24

MOUSER STOCK NO.	Crystek Part No.	Fig.	Schematic	Freq. Range	Price Each	
					1	5
<b>Low Pass</b>						
549-CLPFL-0600	CLPFL-0600	B	2	DC to 600MHz	24.09	21.90
549-CLPFL-0700	CLPFL-0700	B	2	DC to 700MHz	24.09	21.90
549-CLPFL-0800	CLPFL-0800	B	2	DC to 800MHz	24.09	21.90
<b>High Pass</b>						
549-CHPFL-0100	CHPFL-0100	B	3	100MHz to 3.0GHz	24.09	22.37
549-CHPFL-0300	CHPFL-0300	B	3	300MHz to 3.0GHz	24.09	22.37
549-CHPFL-0500	CHPFL-0500	B	3	500MHz to 3.0GHz	24.09	22.37
549-CHPFL-0700	CHPFL-0700	B	3	700MHz to 3.0GHz	24.09	22.37
549-CHPFL-1000	CHPFL-1000	B	3	1000MHz to 3.0GHz	24.09	22.37
<b>RF Power Detector</b>						
549-CPDETL-4000	CPDETL-4000	B	4	10MHz to 4000MHz	31.03	25.55

## CCPD-033/034, LVPECL CLOCK OSCILLATORS, 5 X 7MM SMD

### Specifications:

- Frequency Range: 77.760~311.040MHz
- Input Voltage: 3.3V ± 0.3V
- Input Current: 55mA Typ, 88mA max.
- Jitter: 1ps RMS max.
- Low phase noise, non PLL design

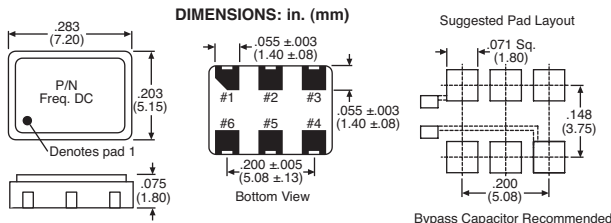
Pad	Connection	Pad	Connection
1	E/D	4	OUT
2	N/C	5	COUT
3	GND	6	Vdd

### Output:

- Differential LVPECL
- Symmetry: 45/55% max. @ 50% Vdd
- Logic: Terminated to Vdd-2V into 50 ohms
- Rise/Fall Time: 1ns max. @ 20% to 80% Vdd

\* Also available in 9x14

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package *	Operating Frequency (MHz)	Stability over Temperature Range	Price Each		
					1	5	10
549-CCPD03350-77.76	CCPD-033-50-77.760	5x7mm SMD	77.76	±50ppm @ 0°C to 70°C	9.52	8.27	7.77
549-CCPD03350-125	CCPD-033-50-125.000	5x7mm SMD	125.00	±50ppm @ 0°C to 70°C	10.32	8.97	8.42
549-CCPD033X-155.2	CCPD-033X-50-155.200	5x7mm SMD	155.20	±50ppm @ -40°C to 85°C	18.12	13.18	11.20
549-CCPD033X-156.25	CCPD-033X-50-156.250	5x7mm SMD	156.25	±50ppm @ -40°C to 85°C	18.12	13.18	11.20
549-CCPD03450-200	CCPD-034-50-200.000	5x7mm SMD	200.00	±50ppm @ 0°C to 70°C	19.60	16.93	15.91
549-CCPD034X-200	CCPD-034X-50-200.000	5x7mm SMD	200.00	±50ppm @ -40°C to 85°C	37.29	27.12	23.05

## CCLD-033/054X SERIES, LVDS CLOCK OSCILLATORS, 5 X 7MM SMD

### Specifications:

- Frequency Range: 77.760~250.00MHz
- Input Voltage: 3.3V ± 0.3V
- Input Current: 35mA typ., 47mA max.
- Jitter: 0.5pssec typ., 1ps RMS max.
- Low Phase Noise, non-PLL design

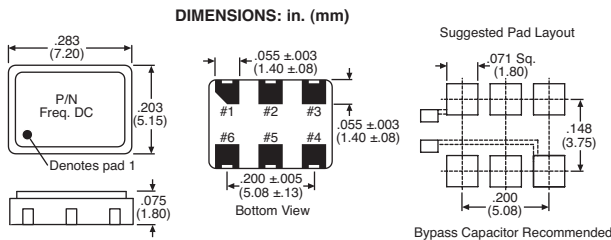
Pad	Connection	Pad	Connection
1	E/D	4	OUT
2	N/C	5	COUT
3	GND	6	Vdd

### Output:

- Differential LVDS
- Symmetry: 45/55% Max @ 50% Vdd
- Differential Output Voltage: 247mV min., 454mV max.
- Rise/Fall Time: 1ns max. @ 20% to 80% Vdd

\* Also available in 9 x 14

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package *	Operating Frequency (MHz)	Stability over Temperature Range	Price Each		
					1	5	10
549-CCLD033-50-100	CCLD-033-50-100.000	5x7x1.8mm SMD	100.00	±50ppm @ 0°C to +70°C	11.22	9.69	9.11
549-CCLD033-50-125	CCLD-033-50-125.000	5x7x1.8mm SMD	125.00	±50ppm @ 0°C to +70°C	11.26	9.72	9.14

## CVXO-018T SERIES, HCMOS, VCXO, 5 X 7MM SMD

### Specifications:

- Frequency Range: 1~52MHz
- Input Voltage: 3.3V ± 0.3V
- Control Voltage: 1.65V ± 1.65V
- Input Current: 40mA max.
- Low Jitter, non PLL design

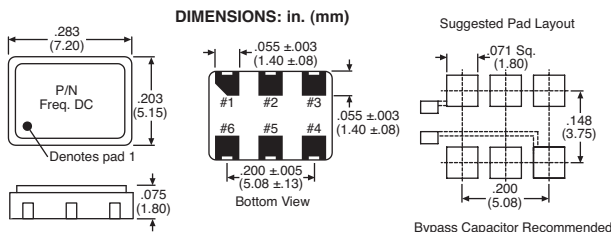
Pad	Connection	Pad	Connection
1	Cont. Volt.	4	O/P
2	Tri-State	5	N/C
3	GND	6	Vdd

### Output:

- HCMOS
- Symmetry: 40/60% max. @ 50% Vdd
- Rise/Fall Time: 5ns max. @ 20% to 80% Vdd
- Pulling Range: ±100ppm min.
- Linearity: ±10% max.

\* Also available in 9x14

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package *	Operating Frequency (MHz)	Stability over Temperature Range	Price Each			
					1	10	100	500
549-CVXO018TX508.192	CVXO-018TX-50-8.192	5x7mm SMD	8.192	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02
549-CVXO018TX5019.44	CVXO-018TX-50-19.440	5x7mm SMD	19.440	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02
549-CVXO018TX5027.000	CVXO-018TX-50-27.000	5x7mm SMD	27.000	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02