

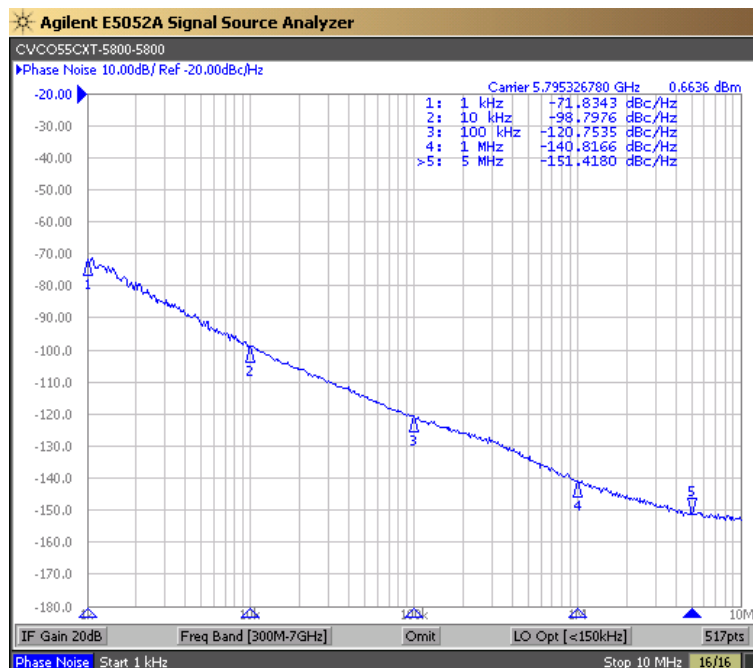


## Coaxial Resonator Oscillator-CRO Frequency Doubling, 2×Fundamental CVCO55CXT-5800-5800

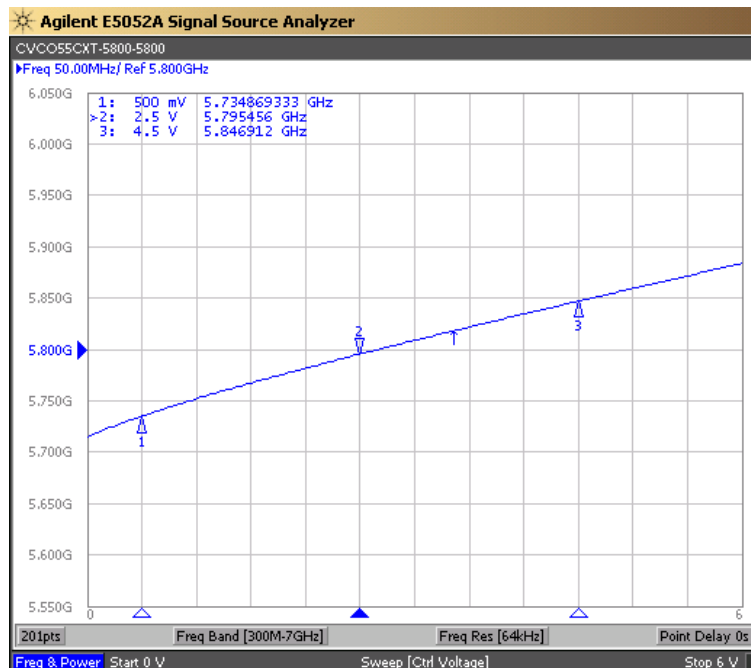


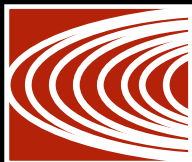
| PERFORMANCE SPECIFICATION    | MIN  | TYP  | MAX  | UNITS     |
|------------------------------|------|------|------|-----------|
| Lower Frequency:             |      |      | 5800 | MHz       |
| Upper Frequency:             | 5800 |      |      | MHz       |
| Tuning Voltage:              | 0.5  |      | 4.5  | VDC       |
| Supply Voltage:              | 7.6  | 8.0  | 8.4  | VDC       |
| Output Power:                | +1.0 | +4.0 | +7.0 | dBm       |
| Supply Current:              |      |      | 35   | mA        |
| Harmonic, F×(0.5):           |      | -30  | -20  | dBc       |
| Harmonic, F×(1.5):           |      | -35  | -25  | dBc       |
| Harmonic, F×(2.0):           |      | -30  | -20  | dBc       |
| Pushing:                     |      | 1.5  | 3.0  | MHz/V     |
| Pulling, all Phases:         |      | 0.5  | 1.0  | MHz pk-pk |
| Tuning Sensitivity:          |      | 20   |      | MHz/V     |
| Phase Noise @ 10kHz offset:  |      | -100 | -95  | dBc/Hz    |
| Load Impedance:              |      | 50   |      | Ω         |
| Input Capacitance:           |      |      | 10   | pF        |
| Operating Temperature Range: | -40  |      | +85  | °C        |
| Storage Temperature Range:   | -45  |      | +90  | °C        |

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



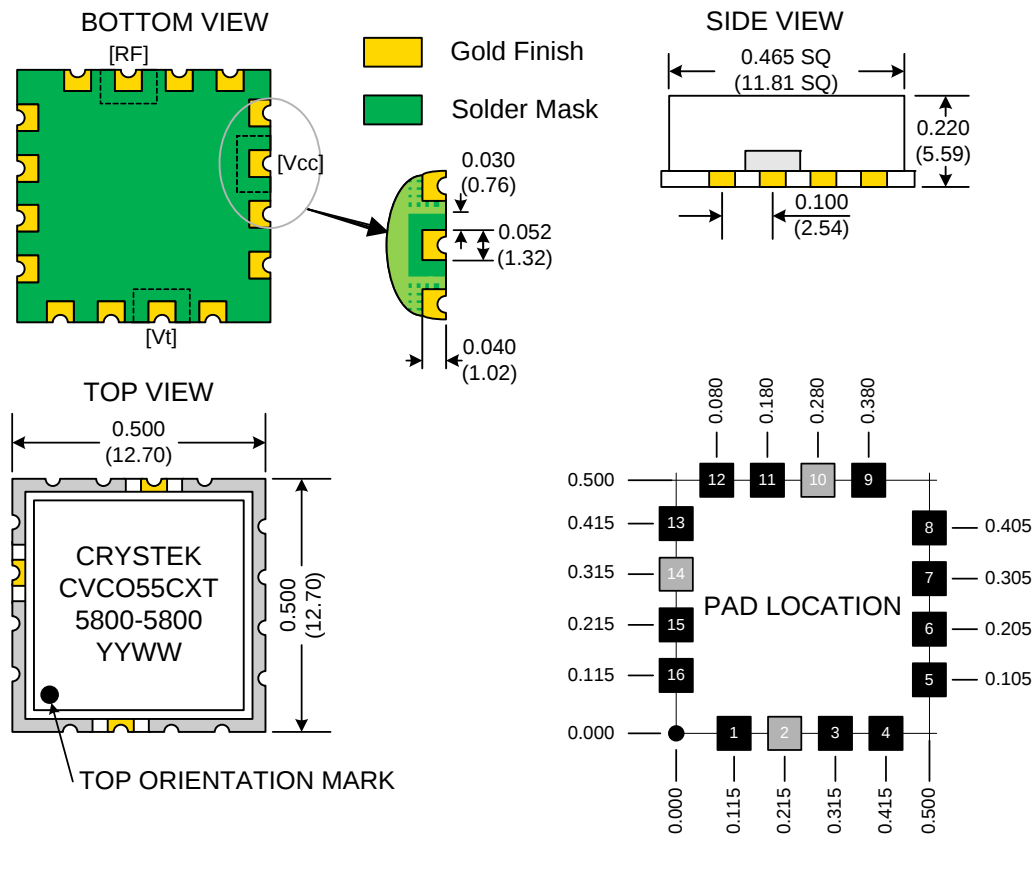


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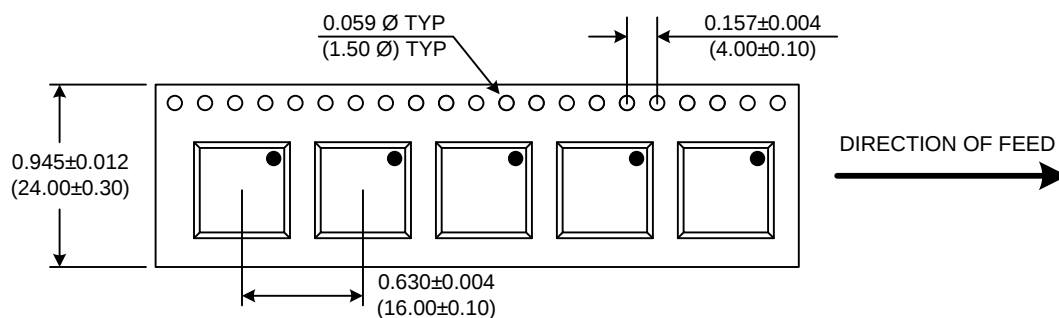
# Coaxial Resonator Oscillator-CRO

## Frequency Doubling, 2×Fundamental

### CVCO55CXT-5800-5800



### TAPE AND REEL



#### Product Control:

|                      |                     |               |           |
|----------------------|---------------------|---------------|-----------|
| Crystek Part Number: | CVCO55CXT-5800-5800 | Release Date: | 09-Feb-12 |
| Revision Level:      | C                   | Responsible:  | C. Vales  |

Specification is subject to change without notice

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**CRYSTEK**  
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