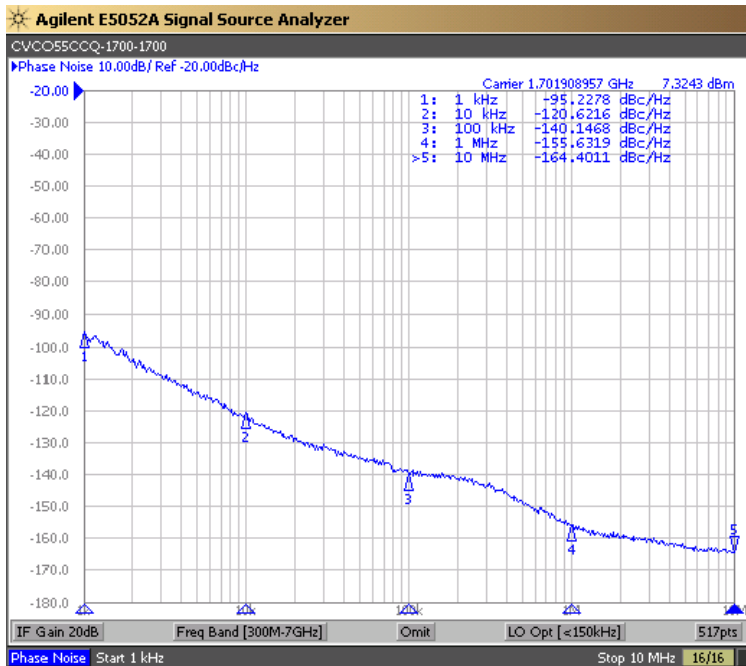


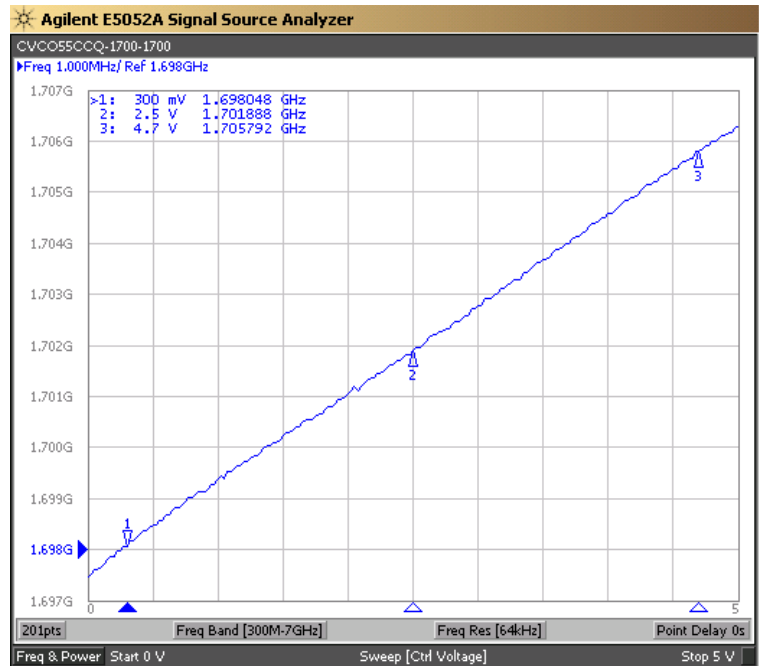


| PERFORMANCE SPECIFICATION                        | MIN  | TYP  | MAX  | UNITS        |
|--|------|------|------|--------------|
| Lower Frequency:                                 |      |      | 1700 | MHz          |
| Upper Frequency:                                 | 1700 |      |      | MHz          |
| Tuning Voltage:                                  | 0.3  |      | 4.7  | VDC          |
| Supply Voltage:                                  | 7.6  | 8.0  | 8.4  | VDC          |
| Output Power:                                    | +5.0 | +7.0 | +9.0 | dBm          |
| Supply Current:                                  |      | 29   | 35   | mA           |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic): |      | -10  | -5   | dBc          |
| Pushing:   |      | 0.5  | 1.0  | MHz/V        |
| Pulling, all Phases:                             |      | 0.5  | 1.0  | MHz pk-pk    |
| Tuning Sensitivity:                              |      | 7    |      | MHz/V        |
| Phase Noise @ 10kHz offset:                      |      | -120 | -117 | dBc/Hz       |
| Phase Noise @ 100kHz offset:                     |      | -140 | -137 | dBc/Hz       |
| Load Impedance:                                  |      | 50   |      | $\Omega$     |
| Input Capacitance:                               |      |      | 22   | pF           |
| Operating Temperature Range:                     | -40  |      | +85  | $^{\circ}$ C |
| Storage Temperature Range:                       | -45  |      | +90  | $^{\circ}$ C |

Phase Noise (1 Hz BW, Typical)



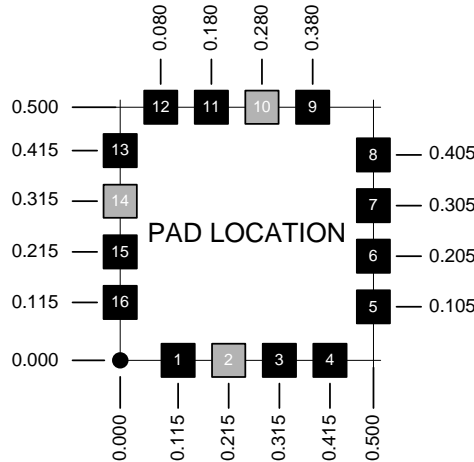
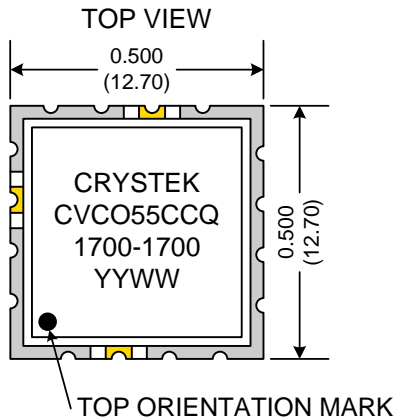
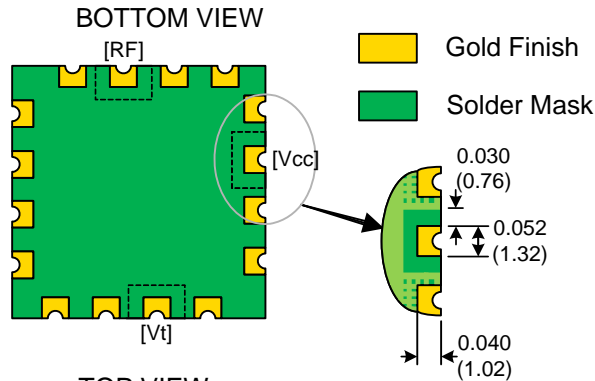
Tuning Curve (Typical)



**Product Control:**

|                      |                     |               |             |
|----------------------|---------------------|---------------|-------------|
| Crystek Part Number: | CVCO55CCQ-1700-1700 | Release Date: | 01-Mar-2016 |
| Revision Level:      | C                   | Responsible:  | C. Vales    |





| Pad    | Connection |
|--------|------------|
| 2      | Vt         |
| 10     | RF-OUTPUT  |
| 14     | Vcc        |
| Others | GROUND     |

- Unless otherwise specified, Dimensions are in:  $\frac{IN}{(mm)}$
- Pad Location Dimensions are in: Inches

**TAPE AND REEL**



Drawing not to scale

**Product Control:**

|                      |                     |               |             |
|----------------------|---------------------|---------------|-------------|
| Crystek Part Number: | CVCO55CCQ-1700-1700 | Release Date: | 01-Mar-2016 |
| Revision Level:      | C                   | Responsible:  | C. Vales    |

Specification is subject to change without notice

# Mouser Electronics

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