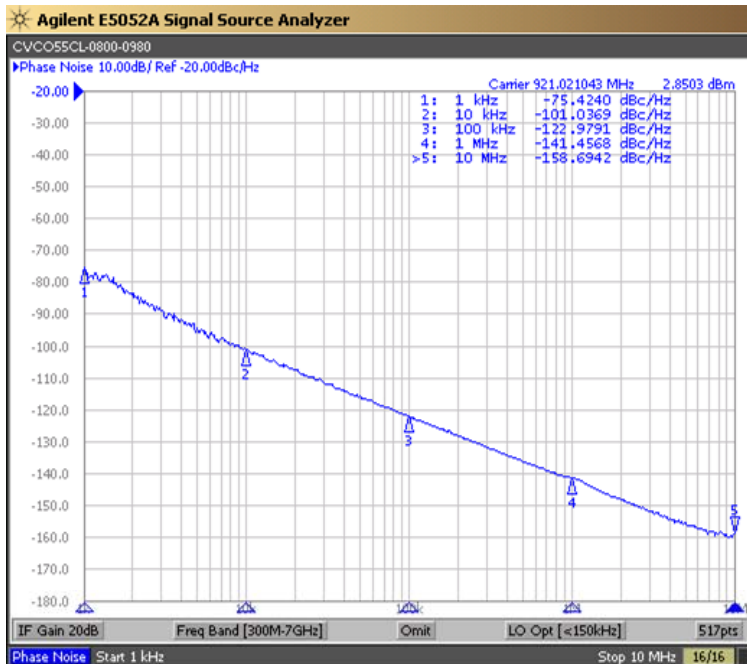
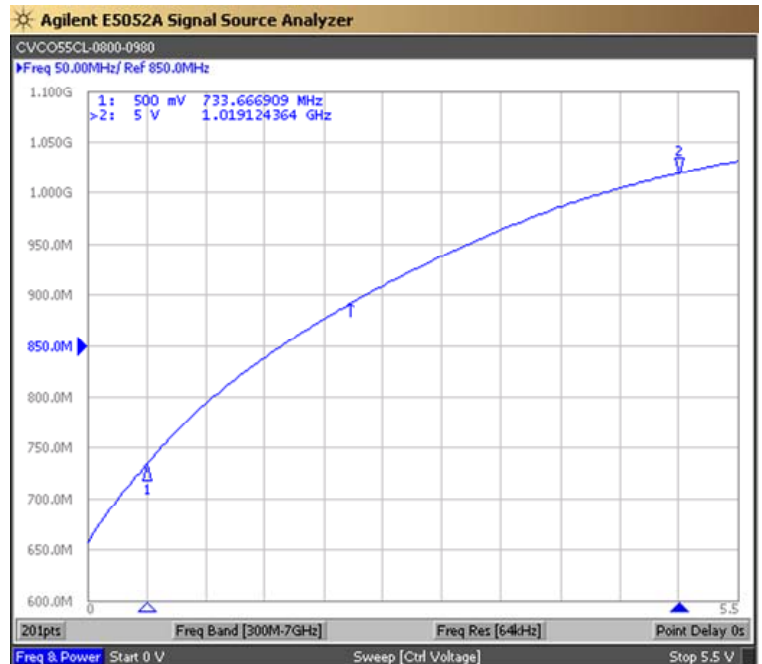


| PERFORMANCE SPECIFICATION                        | MIN  | TYP  | MAX  | UNITS              |
|--|------|------|------|--------------------|
| Lower Frequency:                                 |      |      | 800  | MHz                |
| Upper Frequency:                                 | 980  |      |      | MHz                |
| Tuning Voltage:                                  | 0.5  |      | 5.0  | VDC                |
| Supply Voltage:                                  | 4.75 | 5.0  | 5.25 | VDC                |
| Output Power:                                    | 0    | +3.0 | +6.0 | dBm                |
| Supply Current:                                  |      |      | 25   | mA                 |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic): |      | -22  |      | dBc                |
| Pushing:   |      |      | 2.0  | MHz/V              |
| Pulling, all Phases:                             |      |      | 2.0  | MHz pk-pk          |
| Tuning Sensitivity:                              |      | 75   |      | MHz/V              |
| Phase Noise @ 10kHz offset:                      |      | -99  |      | dBc/Hz             |
| Phase Noise @ 100kHz offset:                     |      | -121 |      | dBc/Hz             |
| Load Impedance:                                  |      | 50   |      | $\Omega$           |
| Input Capacitance:                               |      |      | 47   | pF                 |
| Operating Temperature Range:                     | -40  |      | +85  | $^{\circ}\text{C}$ |
| Storage Temperature Range:                       | -45  |      | +90  | $^{\circ}\text{C}$ |

Phase Noise (1 Hz BW, Typical)



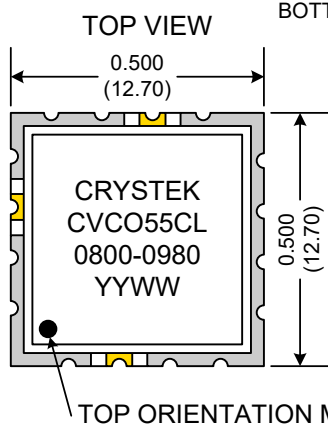
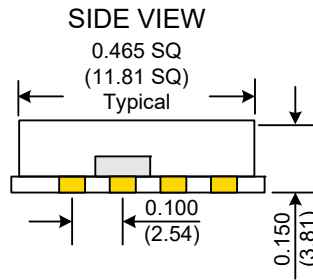
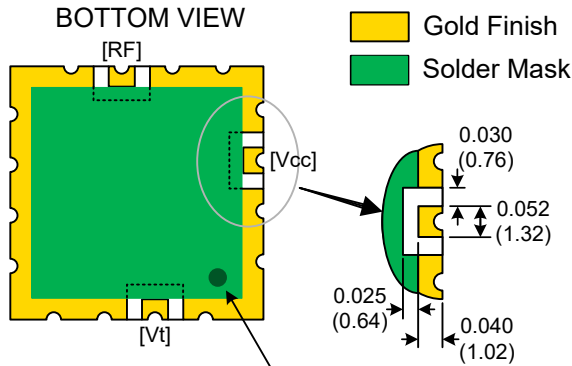
Tuning Curve (Typical)



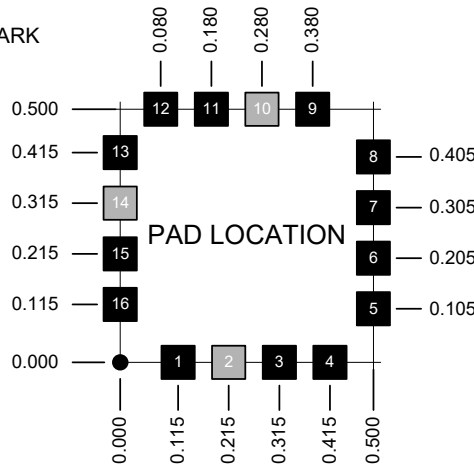
**Product Control:**

|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CVCO55CL-0800-0980 | Release Date: | 03-Jan-2019 |
| Revision Level:      | E                  | Responsible:  | C. Vales    |





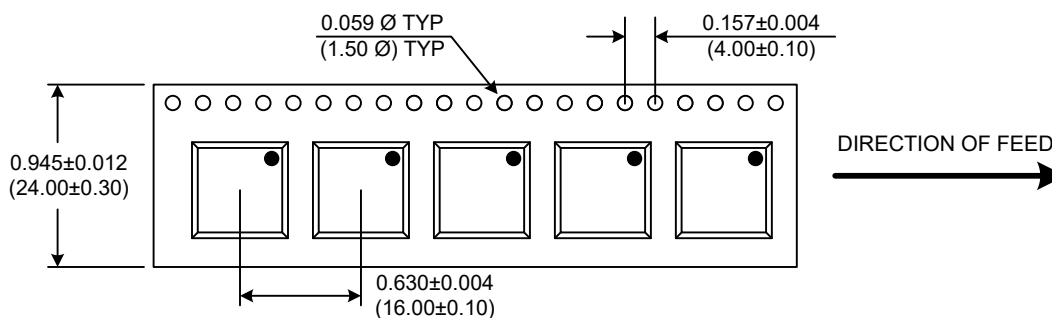
BOTTOM ORIENTATION MARK



| 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: | CVCO55CL-0800-0980 | Release Date: | 03-Jan-2019 |
| Revision Level:      | E                  | Responsible:  | C. Vales    |

Specification is subject to change without notice

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [VCO Oscillators](#) category:*

*Click to view products by [Crystek](#) manufacturer:*

Other Similar products are found below :

[MAOC-009260-SMB003](#) [MAOC-009261-PKG003](#) [MAOC-009872-000000](#) [MAOC-009264-PKG003](#) [HMC384LP4ETR](#) [CVCO33CL-0110-0150](#) [CVCO33CL-0415-0435](#) [CVCO33CL-0750-0770](#) [HMC1166LP5ETR](#) [HMC391LP4TR](#) [HMC1168LP5ETR](#) [MAOC-009260-PKG003](#) [MAOC-009266-PKG003](#) [HMC511LP5ETR](#) [HMC534LP5ETR](#) [HMC431LP4ETR](#) [HMC3587LP3BETR](#) [CVC055CC-1680-1680](#) [CVCO33CL-0125-0200](#) [CVCO45CL-0100-0140](#) [CVCO45CL-0421-0441](#) [CRBV55BE-1930-1990](#) [MAX2609EUT+T](#) [HMC1160LP5E](#) [HMC1164LP5E](#) [HMC1166LP5E](#) [HMC1167LP5E](#) [HMC1168LP5E](#) [HMC587LC4BTR](#) [HMC732LC4B](#) [HMC358MS8GE](#) [HMC384LP4E](#) [HMC385LP4E](#) [HMC388LP4E](#) [HMC390LP4E](#) [HMC391LP4](#) [HMC391LP4E](#) [HMC398QS16GE](#) [HMC401QS16GE](#) [HMC416LP4E](#) [HMC429LP4E](#) [HMC430LP4E](#) [HMC466LP4E](#) [HMC506LP4](#) [HMC507LP5E](#) [HMC508LP5E](#) [HMC509LP5](#) [HMC510LP5E](#) [HMC511LP5E](#) [HMC512LP5E](#)