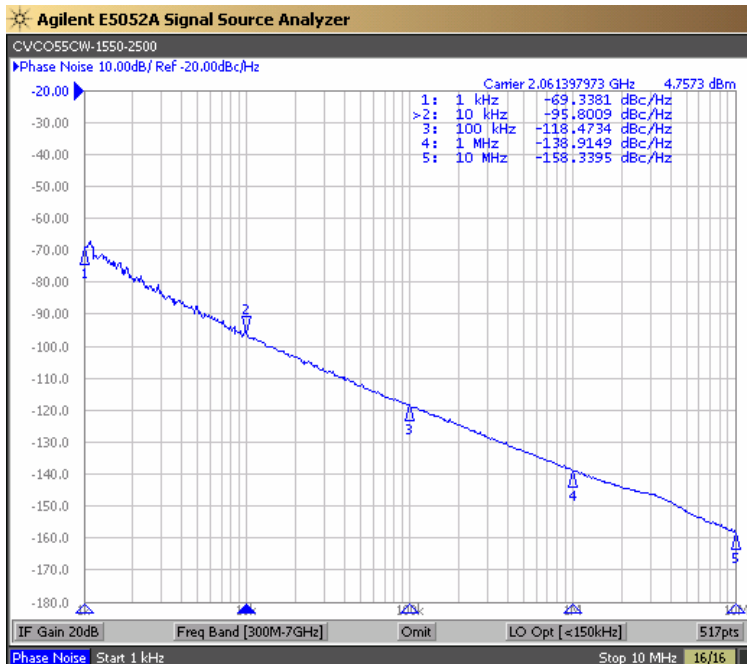


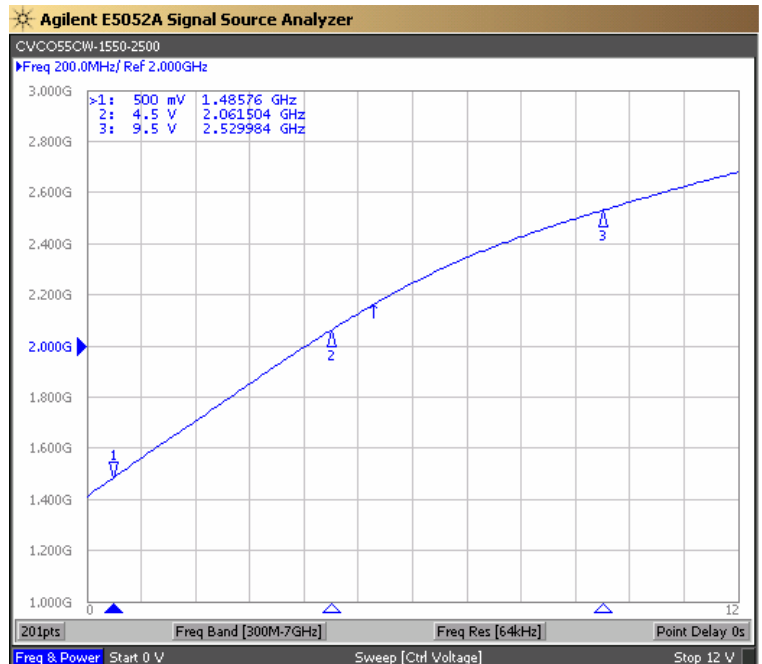


| PERFORMANCE SPECIFICATION                        | MIN  | TYP  | MAX   | UNITS        |
|--|------|------|-------|--------------|
| Lower Frequency:                                 |      |      | 1550  | MHz          |
| Upper Frequency:                                 | 2500 |      |       | MHz          |
| Tuning Voltage:                                  | 0.5  |      | 9.5   | VDC          |
| Supply Voltage:                                  | 9.75 | 10.0 | 10.25 | VDC          |
| Output Power:                                    | +3.0 | +6.0 | +9.0  | dBm          |
| Supply Current:                                  |      | 13   |       | mA           |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic): |      | -7   |       | dBc          |
| Pushing:   |      |      | 5.0   | MHz/V        |
| Pulling, all Phases:                             |      |      | 23.0  | MHz pk-pk    |
| Tuning Sensitivity:                              |      | 115  |       | MHz/V        |
| Phase Noise @ 10kHz offset:                      |      | -92  | -86   | dBc/Hz       |
| Phase Noise @ 100kHz offset:                     |      | -112 | -108  | dBc/Hz       |
| Load Impedance:                                  |      | 50   |       | $\Omega$     |
| Input Capacitance:                               |      |      | 50    | pF           |
| Operating Temperature Range:                     | -40  |      | +85   | $^{\circ}$ C |
| Storage Temperature Range:                       | -45  |      | +90   | $^{\circ}$ C |

Phase Noise (1 Hz BW, Typical)



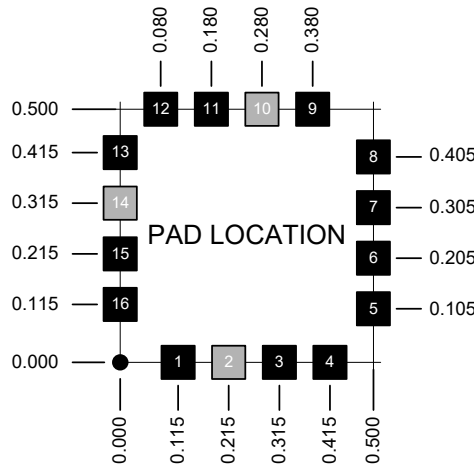
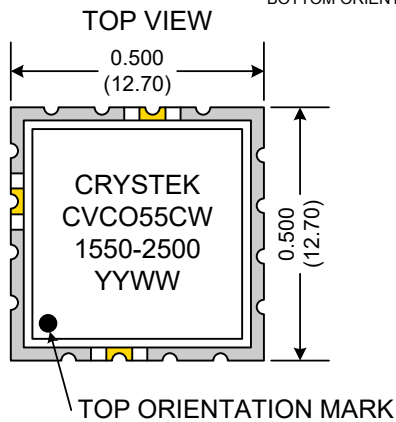
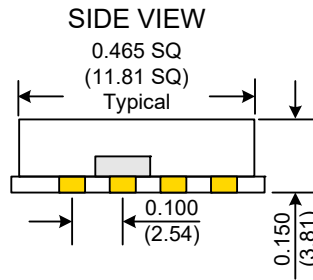
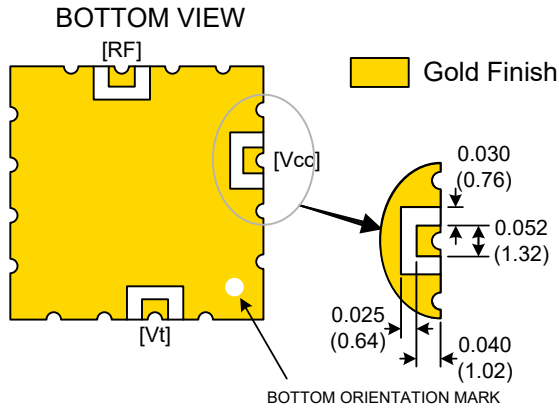
Tuning Curve (Typical)



**Product Control:**

|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CVCO55CW-1550-2500 | Release Date: | 15-Jun-2021 |
| Revision Level:      | E                  | Responsible:  | C. Vales    |

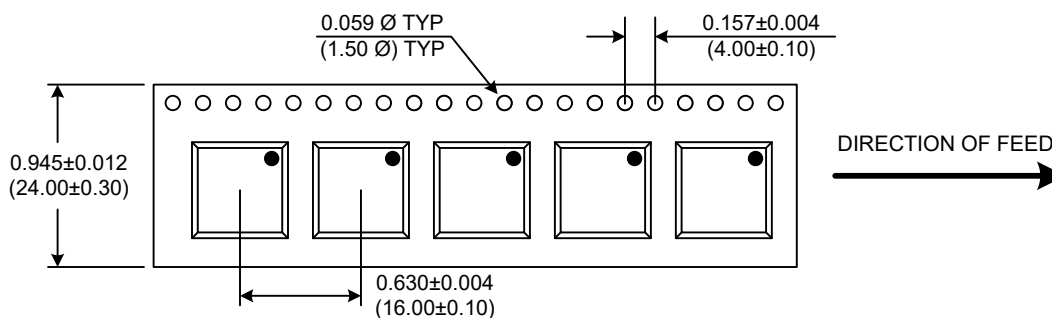




| Pad    | Connection |
|--------|------------|
| 2      | Vt         |
| 10     | RF-OUTPUT  |
| 14     | Vcc        |
| Others | GROUND     |

- 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: | CVCO55CW-1550-2500 | Release Date: | 15-Jun-2021 |
| Revision Level:      | E                  | Responsible:  | C. Vales    |

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