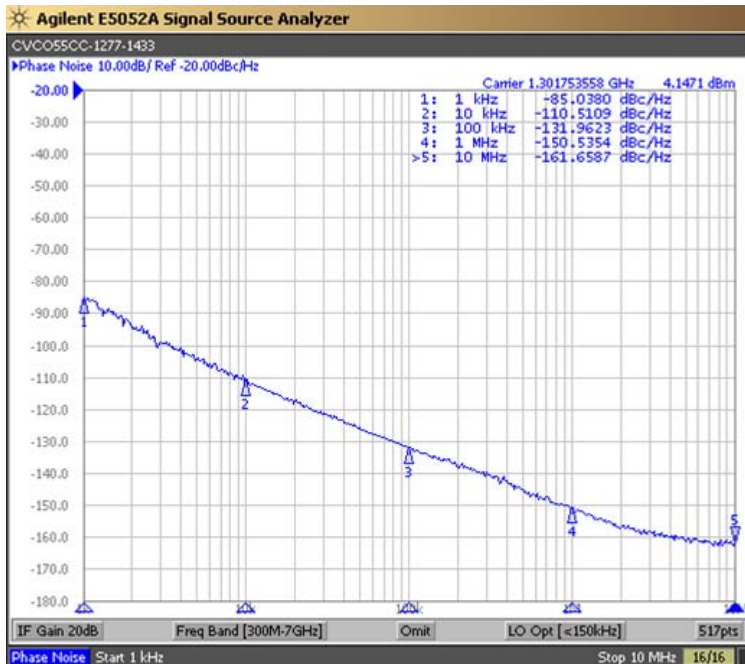


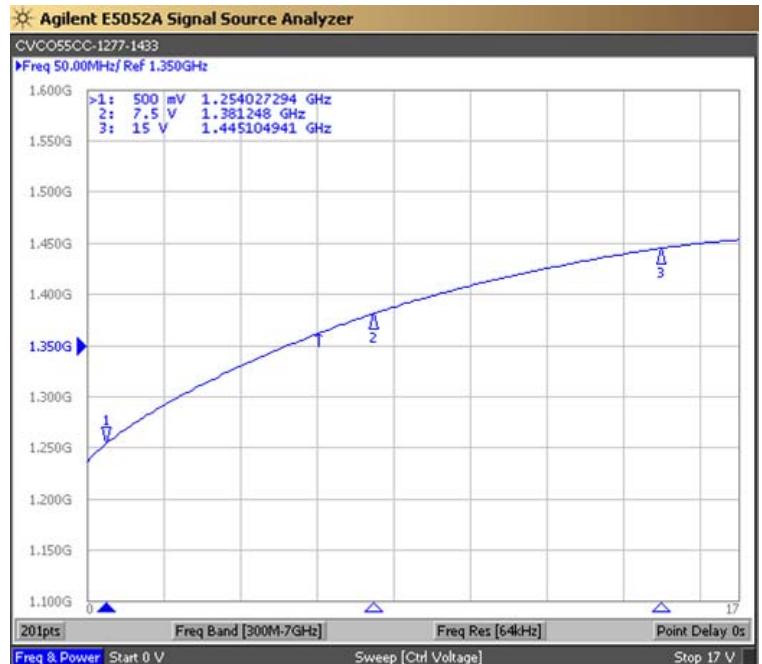


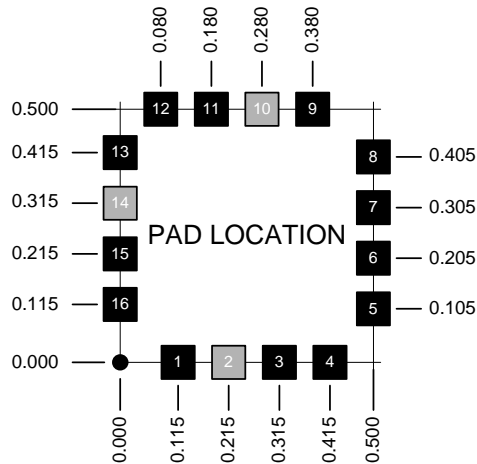
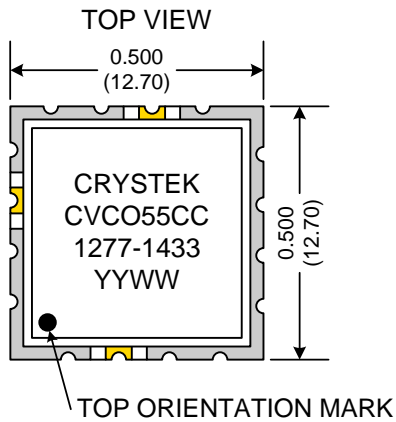
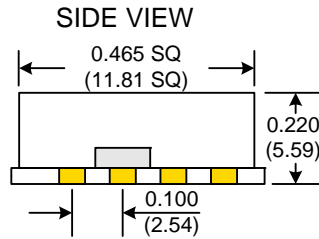
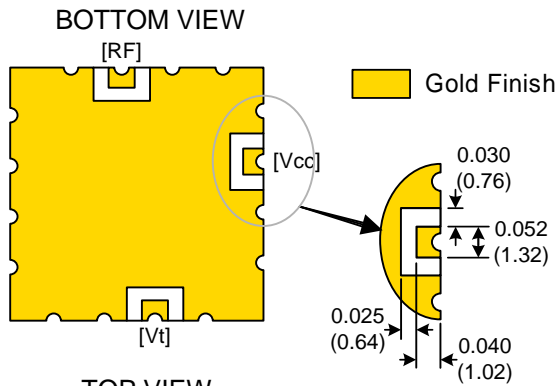
| PERFORMANCE SPECIFICATION                        | MIN  | TYP  | MAX  | UNITS        |
|--|------|------|------|--------------|
| Lower Frequency:                                 |      |      | 1277 | MHz          |
| Upper Frequency:                                 | 1433 |      |      | MHz          |
| Tuning Voltage:                                  | 0.5  |      | 15.0 | VDC          |
| Supply Voltage:                                  | 7.75 | 8.0  | 8.25 | VDC          |
| Output Power:                                    | +2.0 | +4.5 | +7.0 | dBm          |
| Supply Current:                                  |      | 25   |      | mA           |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic): |      | -20  | -15  | dBc          |
| Pushing:   |      | 0.2  | 0.5  | MHz/V        |
| Pulling, all Phases:                             |      | 0.2  | 0.5  | MHz pk-pk    |
| Tuning Sensitivity:                              |      | 14   |      | MHz/V        |
| Phase Noise @ 10kHz offset:                      |      | -115 | -107 | dBc/Hz       |
| Phase Noise @ 100kHz offset:                     |      | -135 | -130 | dBc/Hz       |
| Load Impedance:                                  |      | 50   |      | $\Omega$     |
| Input Capacitance:                               |      |      | 47   | pF           |
| Operating Temperature Range:                     | -30  |      | +70  | $^{\circ}$ C |
| Storage Temperature Range:                       | -45  |      | +90  | $^{\circ}$ C |

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)

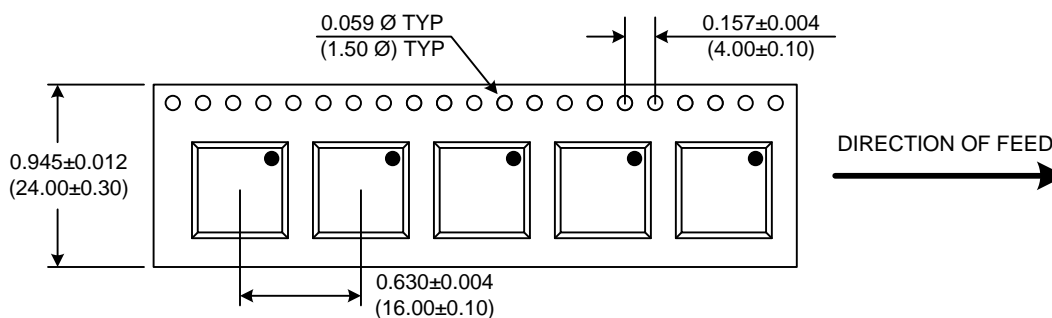




| Pad    | Connection |
|--------|------------|
| 2      | Vt         |
| 10     | RF-OUTPUT  |
| 14     | Vcc        |
| Others | GROUND     |

- 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: | CVCO55CC-1277-1433 | Release Date: | 24-Jul-12 |
| Revision Level:      | B                  | Responsible:  | C. Vales  |

Specification is subject to change without notice

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# Mouser Electronics

Authorized Distributor

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Crystek:

[CVCO55CC-1277-1433](#)