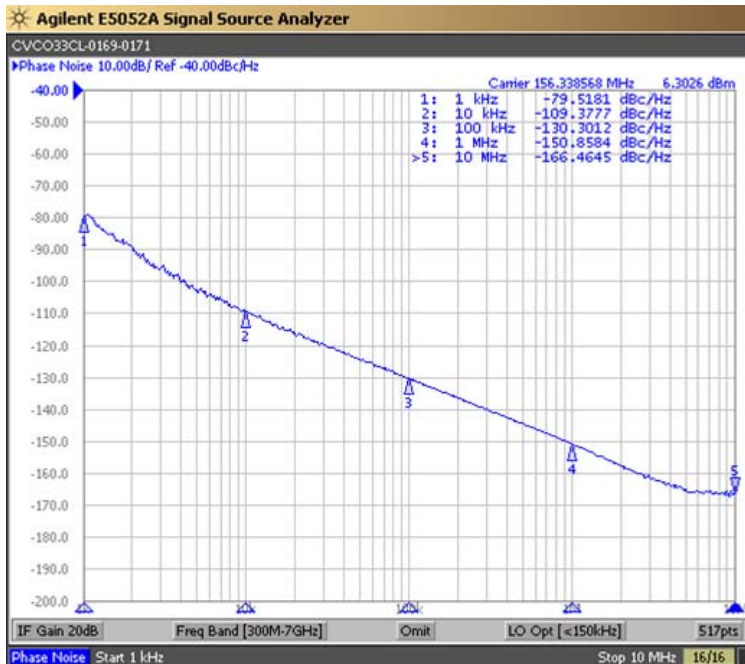


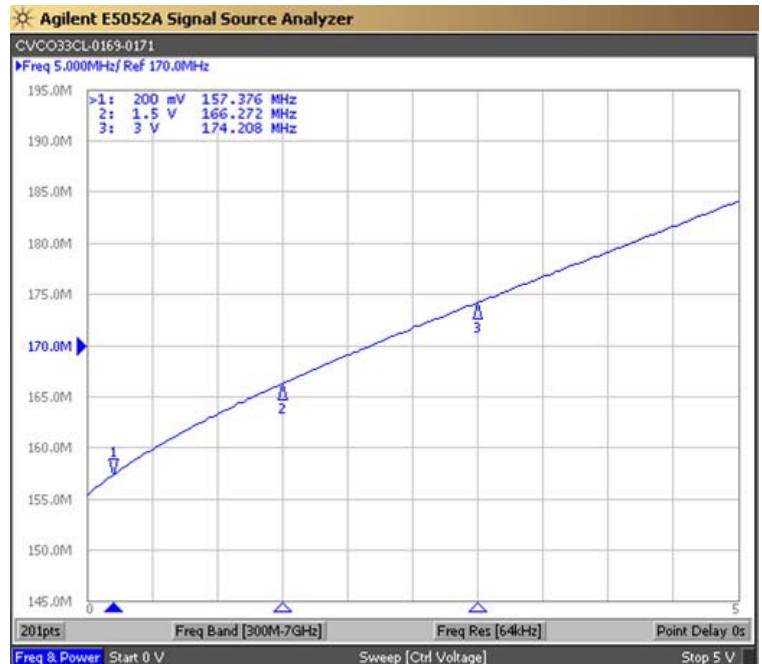


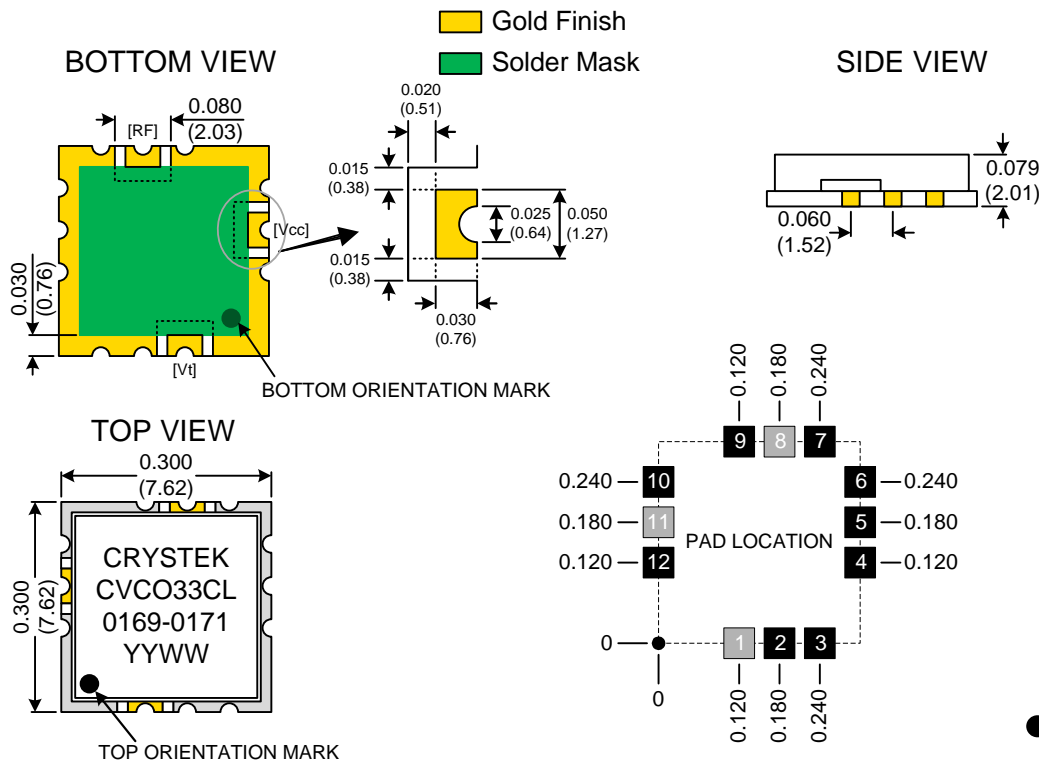
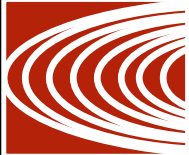
| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|--|-------|------|-------|--------------------|
| Lower Frequency: | | | 169 | MHz |
| Upper Frequency: | 171 | | | MHz |
| Tuning Voltage: | 0.2 | | 3.0 | VDC |
| Supply Voltage: | 3.135 | 3.3 | 3.465 | VDC |
| Output Power: | 0 | +3.0 | +6.0 | dBm |
| Supply Current: | | 15 | | mA |
| Harmonic Suppression (2 nd Harmonic): | | -10 | | dBc |
| Pushing: | | | 1.0 | MHz/V |
| Pulling, all Phases: | | | 2.0 | MHz pk-pk |
| Tuning Sensitivity: | | | 10 | MHz/V |
| Phase Noise @ 10kHz offset: | | -109 | | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | | 470 | pF |
| Operating Temperature Range: | -20 | | +60 | $^{\circ}\text{C}$ |
| Storage Temperature Range: | -40 | | +85 | $^{\circ}\text{C}$ |

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)

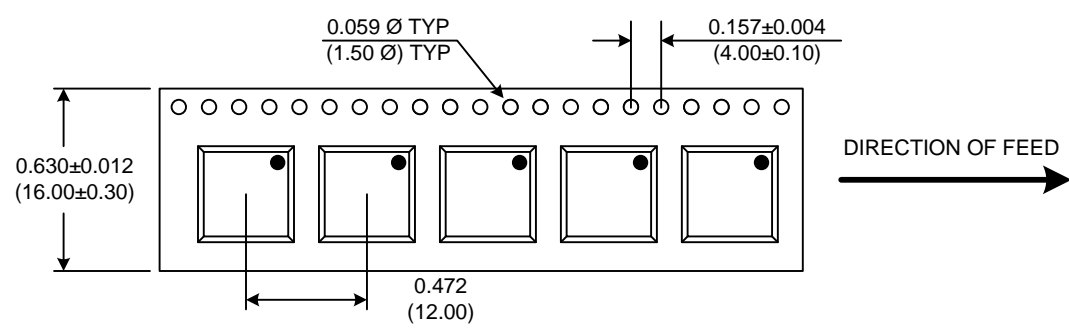




| Pad | Connection |
|--------|------------|
| 1 | Vt |
| 8 | RF-OUTPUT |
| 11 | Vcc |
| Others | GROUND |

- 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: | CVCO33CL-0169-0171 | Release Date: | 01-Aug-10 |
| Revision Level: | B | Responsible: | C. Vales |

Specification is subject to change without notice

