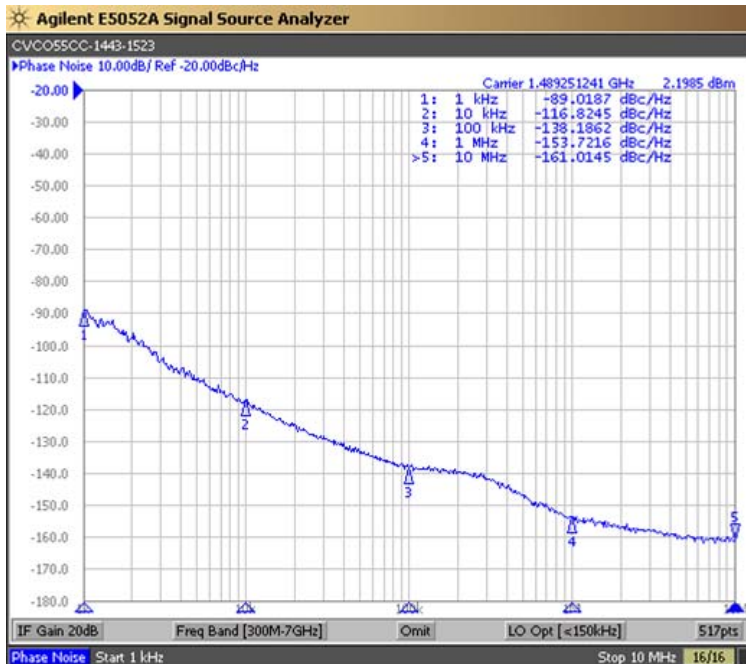


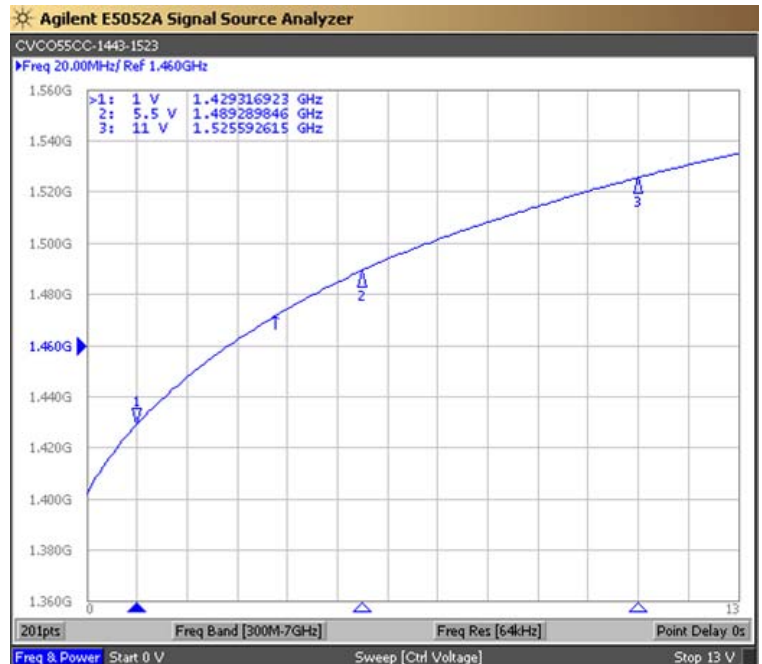


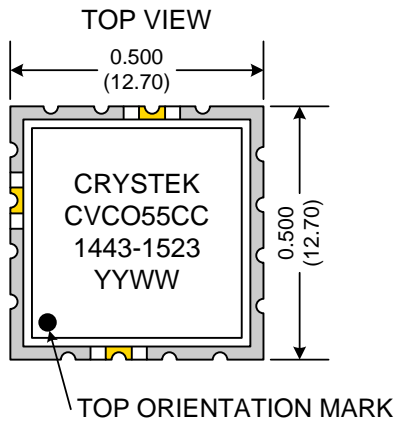
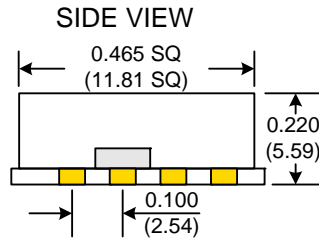
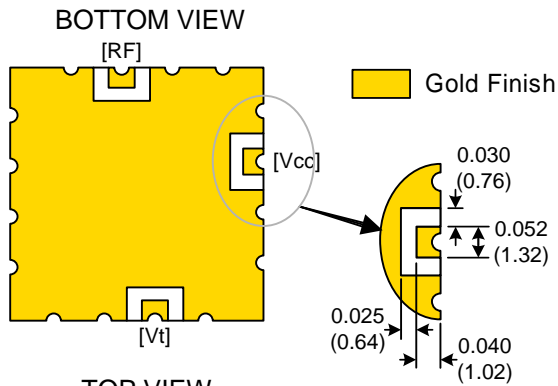
| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|--|-------|------|-------|--------------|
| Lower Frequency: | | | 1443 | MHz |
| Upper Frequency: | 1523 | | | MHz |
| Tuning Voltage: | 1.0 | | 11.0 | VDC |
| Supply Voltage: | 11.25 | 11.5 | 11.75 | VDC |
| Output Power: | 0 | +2.0 | +4.0 | dBm |
| Supply Current: | | 27 | 29 | mA |
| Harmonic Suppression (2 nd Harmonic): | | -15 | -10 | dBc |
| Pushing: | | 0.3 | 0.5 | MHz/V |
| Pulling, all Phases: | | 1.0 | 1.5 | MHz pk-pk |
| Tuning Sensitivity: | | 10 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -118 | -113 | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -138 | -133 | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| 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-1443-1523 | Release Date: | 21-Aug-2013 |
| Revision Level: | D | Responsible: | C. Vales |

Specification is subject to change without notice

Page 2 of 2

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