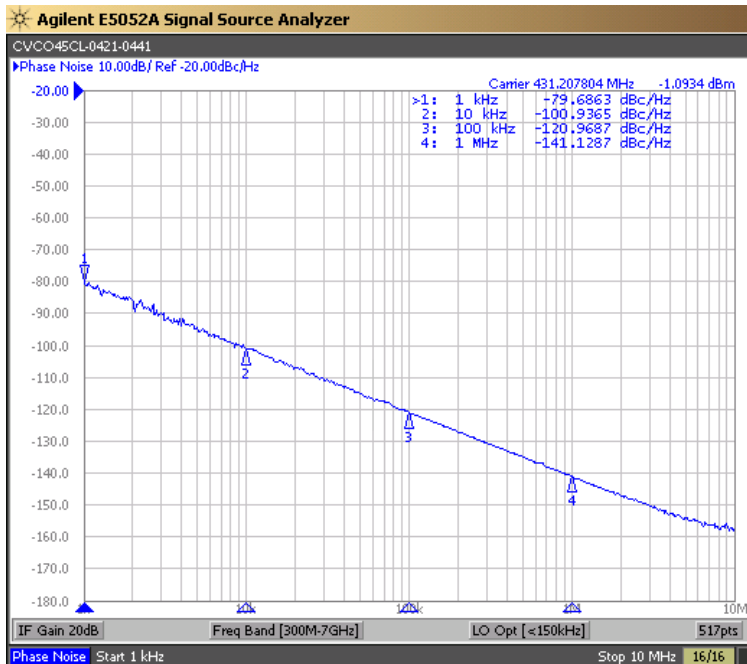


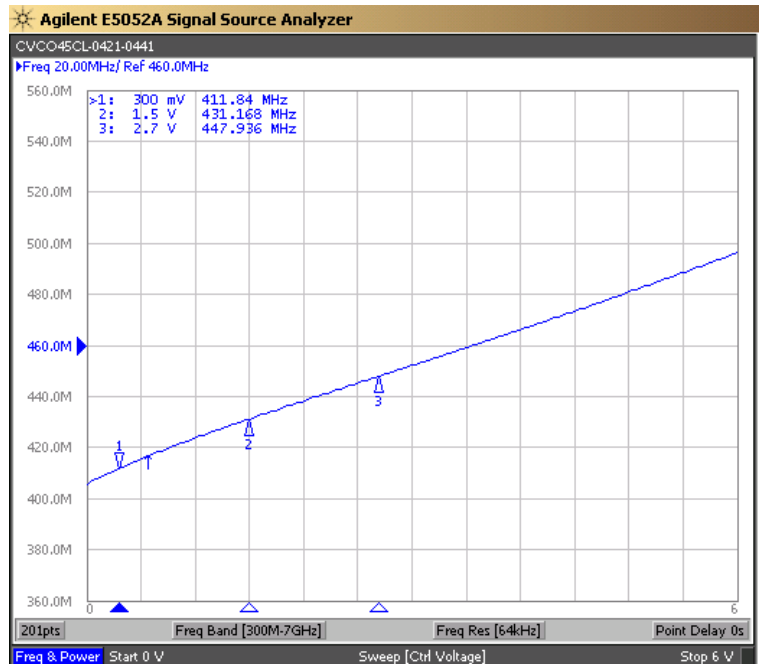


| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|--|------|------|------|--------------------|
| Lower Frequency: | | | 421 | MHz |
| Upper Frequency: | 441 | | | MHz |
| Tuning Voltage: | 0.3 | | 2.7 | VDC |
| Supply Voltage: | 2.85 | 3.0 | 3.15 | VDC |
| Output Power: | -3.0 | 0 | +3.0 | dBm |
| Supply Current: | | 10 | | mA |
| Harmonic Suppression (2 nd Harmonic): | | -15 | | dBc |
| Pushing: | | 0.5 | 1.0 | MHz/V |
| Pulling, all Phases: | | 1.0 | 2.0 | MHz pk-pk |
| Tuning Sensitivity: | | 15 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -100 | -98 | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -118 | | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | | 100 | pF |
| Operating Temperature Range: | -40 | | +85 | $^{\circ}\text{C}$ |
| Storage Temperature Range: | -45 | | +90 | $^{\circ}\text{C}$ |

Phase Noise (1 Hz BW, Typical)

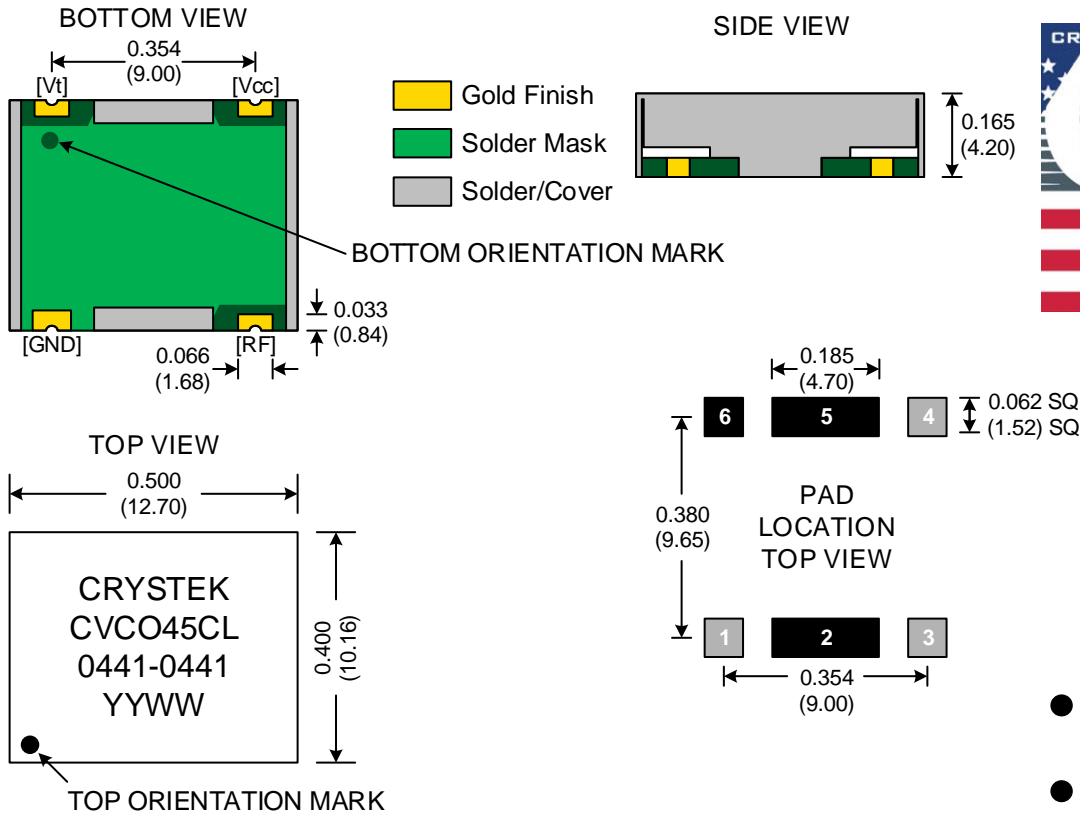


Tuning Curve (Typical)



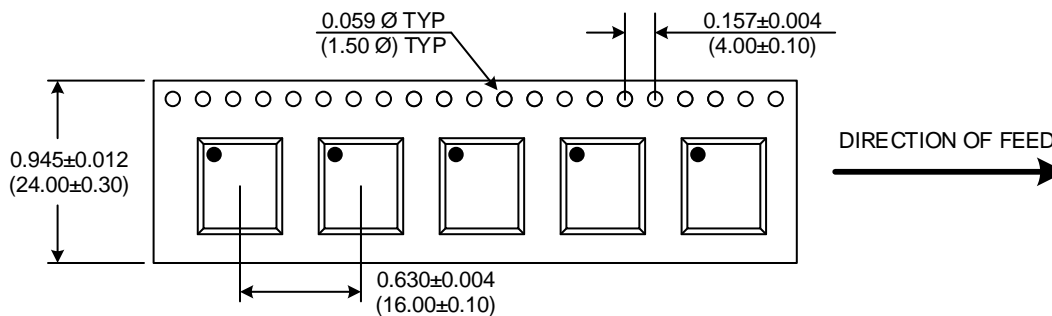
Product Control:

| | | | |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CVCO45CL-0421-0441 | Release Date: | 03-Nov-2016 |
| Revision Level: | J | Responsible: | C. Vales |



- Unless otherwise specified, Dimensions are in: IN (mm)
- Pad Location Dimensions are in: Inches

TAPE AND REEL



Drawing not to scale

Product Control:

| | | | |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CVCO45CL-0421-0441 | Release Date: | 03-Nov-2016 |
| Revision Level: | J | Responsible: | C. Vales |

Specification is subject to change without notice

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