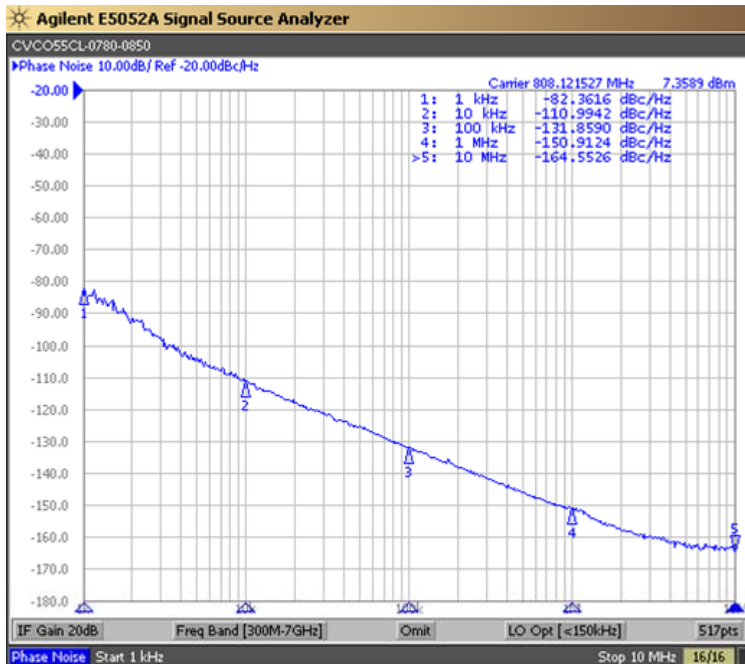


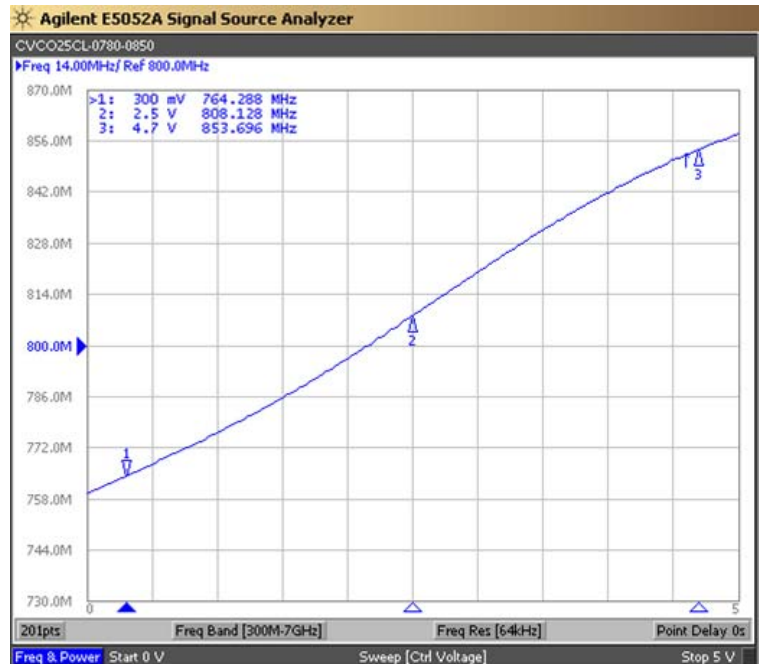


| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|--|-------|------|-------|--------------|
| Lower Frequency: | | | 780 | MHz |
| Upper Frequency: | 850 | | | MHz |
| Tuning Voltage: | 0.3 | | 4.7 | VDC |
| Supply Voltage: | 4.465 | 4.7 | 4.935 | VDC |
| Output Power: | +6.0 | +8.0 | +10.0 | 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: | | 20 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -109 | | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -128 | | 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)

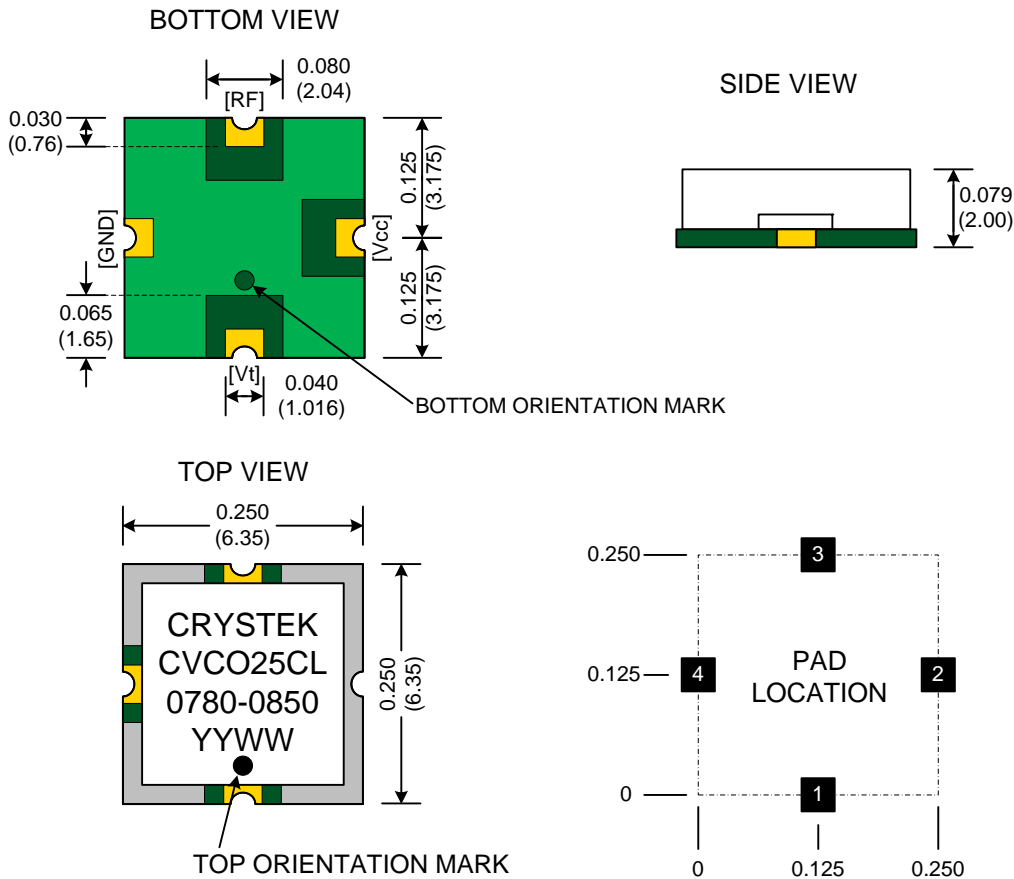


Tuning Curve (Typical)



Product Control:

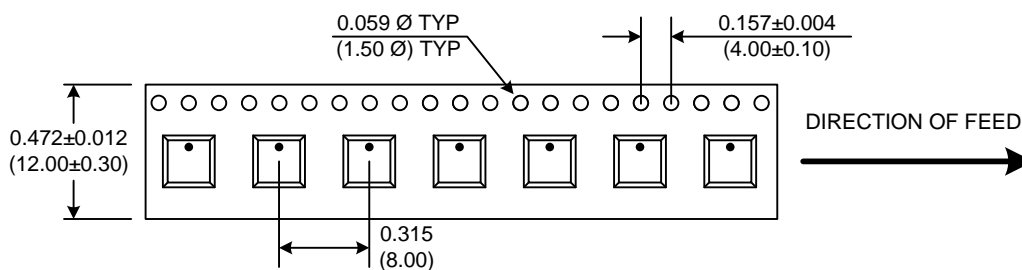
| | | | |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CVCO25CL-0780-0850 | Release Date: | 11-Mar-2015 |
| Revision Level: | C | Responsible: | C. Vales |



| Pad | Connection |
|-----|------------|
| 1 | Vt |
| 2 | GROUND |
| 3 | RF-OUTPUT |
| 4 | Vcc |

- 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: | CVCO25CL-0780-0850 | Release Date: | 11-Mar-2015 |
| Revision Level: | C | Responsible: | C. Vales |

Specification is subject to change without notice

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