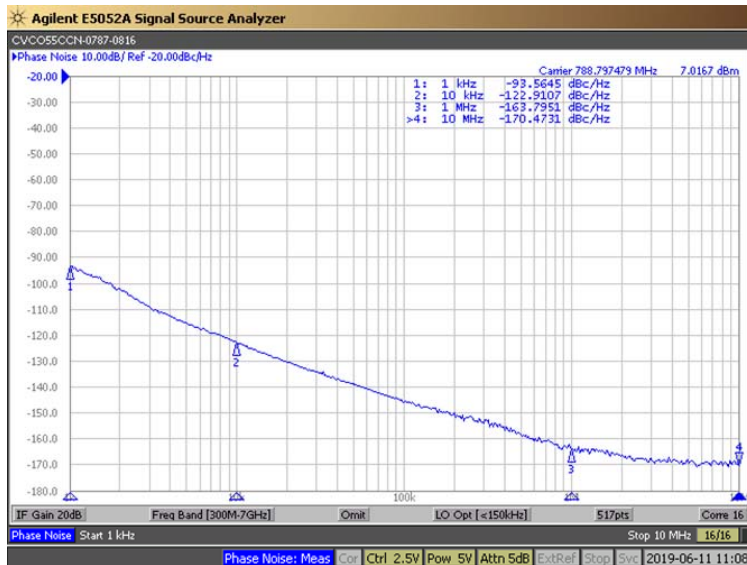


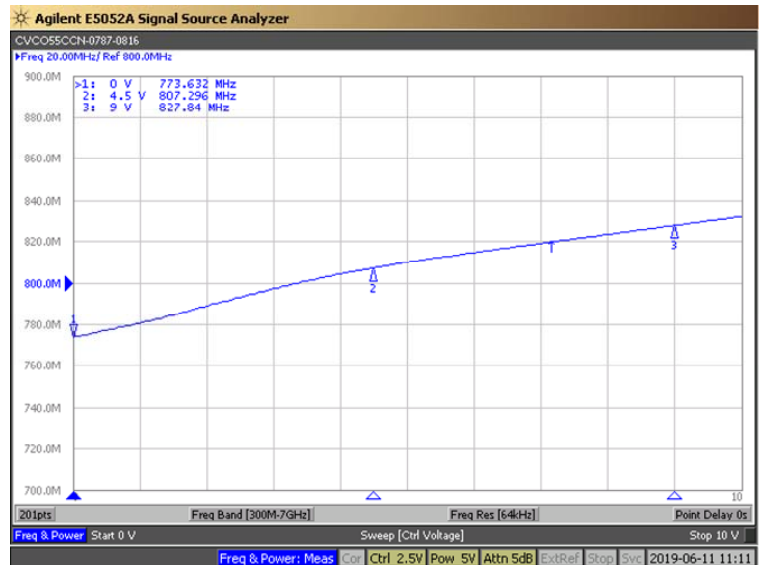


| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|--|------|------|-------|--------------|
| Lower Frequency: | | | 787 | MHz |
| Upper Frequency: | 816 | | | MHz |
| Tuning Voltage: | 0 | | 9.0 | VDC |
| Supply Voltage: | 4.75 | 5.0 | 5.25 | VDC |
| Output Power: | +6.0 | +8.0 | +10.0 | dBm |
| Supply Current: | | 25 | 35 | mA |
| Harmonic Suppression: (2 nd Harmonic) | | -20 | -15 | dBc |
| Pushing: | | 0.2 | 0.4 | MHz/V |
| Pulling, all Phases: | | 0.5 | 1.0 | MHz pk-pk |
| Tuning Sensitivity: | | 5 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -123 | -120 | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -143 | -140 | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | 47 | | pF |
| Operating Temperature Range: | -40 | | +85 | $^{\circ}$ C |
| Storage Temperature Range: | -45 | | +90 | $^{\circ}$ C |

Phase Noise (1 Hz BW, Typical)

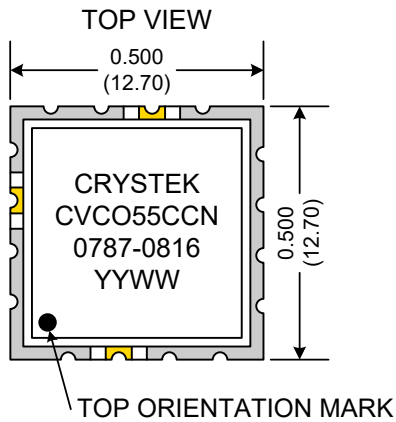
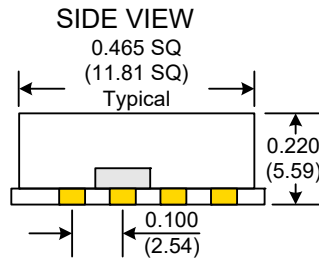


Tuning Curve (Typical)



Product Control:

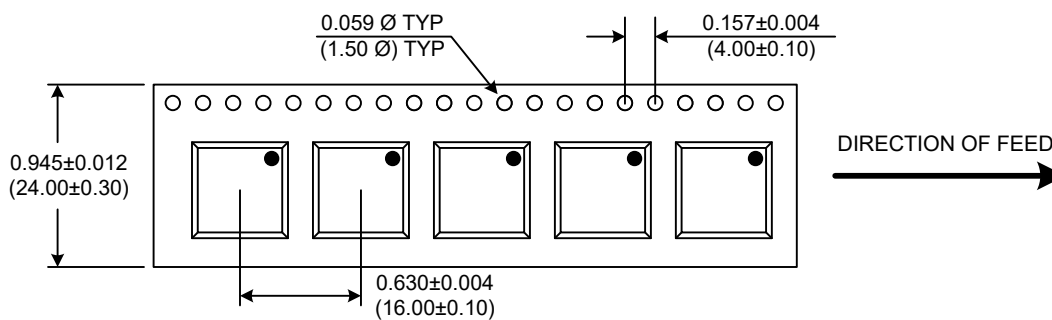
| | | | |
|----------------------|---------------------|---------------|-------------|
| Crystek Part Number: | CVCO55CCN-0787-0816 | Release Date: | 11-Jun-2019 |
| Revision Level: | B | Responsible: | C. Vales |



| 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: | CVCO55CCN-0787-0816 | Release Date: | 11-Jun-2019 |
| Revision Level: | B | Responsible: | C. Vales |

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