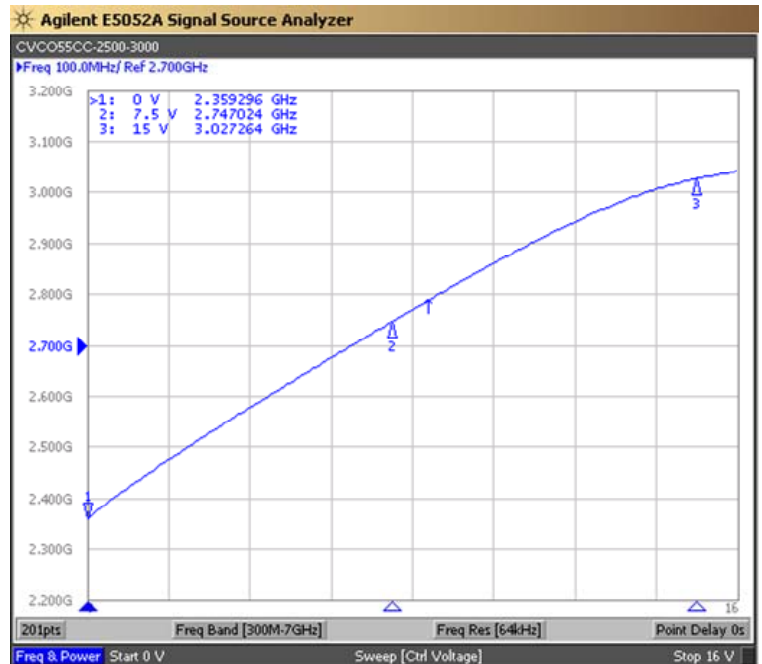
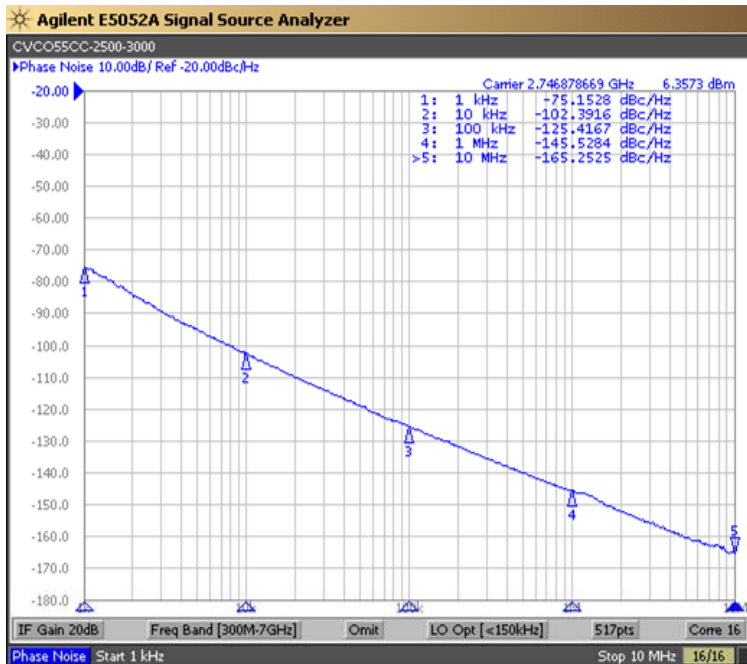




| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|--|------|------|------|--------------|
| Lower Frequency: | | | 2500 | MHz |
| Upper Frequency: | 3000 | | | MHz |
| Tuning Voltage: | 0 | | 15.0 | VDC |
| Supply Voltage: | 5.7 | 6.0 | 6.3 | VDC |
| Output Power: | +4.5 | +7.0 | +9.5 | dBm |
| Supply Current: | | 28 | | mA |
| Harmonic Suppression: (2 nd Harmonic) | | -20 | -12 | dBc |
| Pushing: | | 1.5 | | MHz/V |
| Pulling, all Phases: | | 4.0 | | MHz pk-pk |
| Tuning Sensitivity: | | 45 | | MHz/V |
| Phase Noise @ 1kHz offset: | | -78 | -73 | dBc/Hz |
| Phase Noise @ 10kHz offset: | | -105 | -100 | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -125 | -120 | dBc/Hz |
| Phase Noise @ 1MHz offset: | | -145 | -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 |

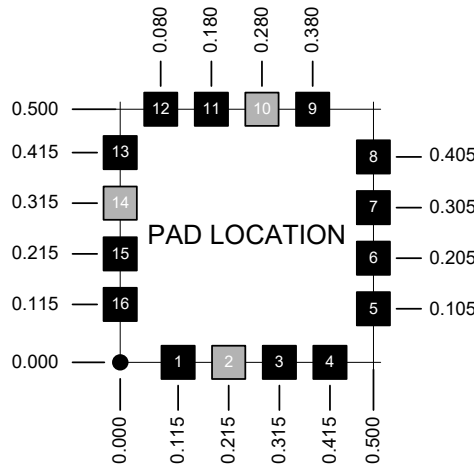
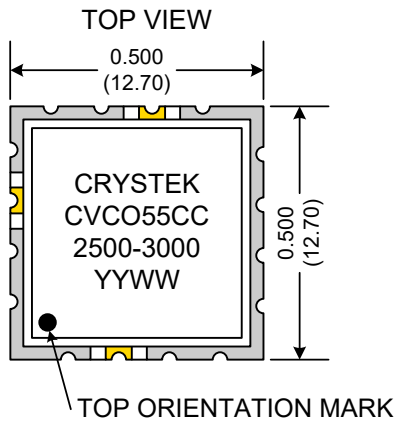
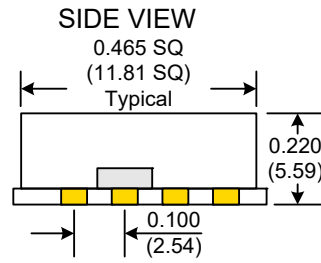
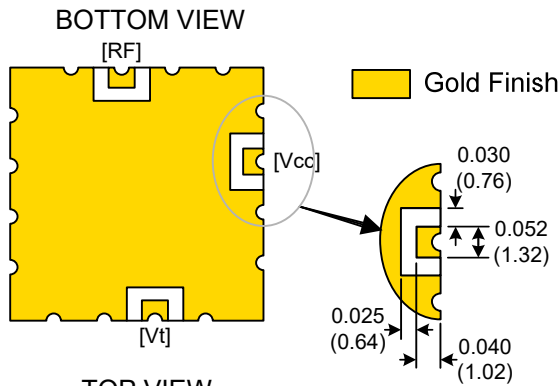
Phase Noise (1 Hz BW, Typical)

Tuning Curve (Typical)



Product Control:

| | | | |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CVCO55CC-2500-3000 | Release Date: | 06-Jan-2021 |
| 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: | CVCO55CC-2500-3000 | Release Date: | 06-Jan-2021 |
| Revision Level: | B | Responsible: | C. Vales |

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