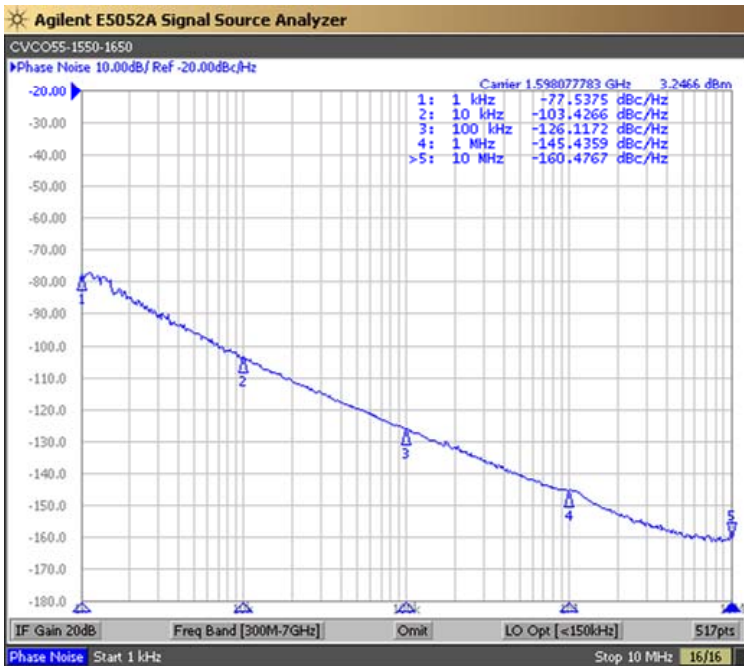


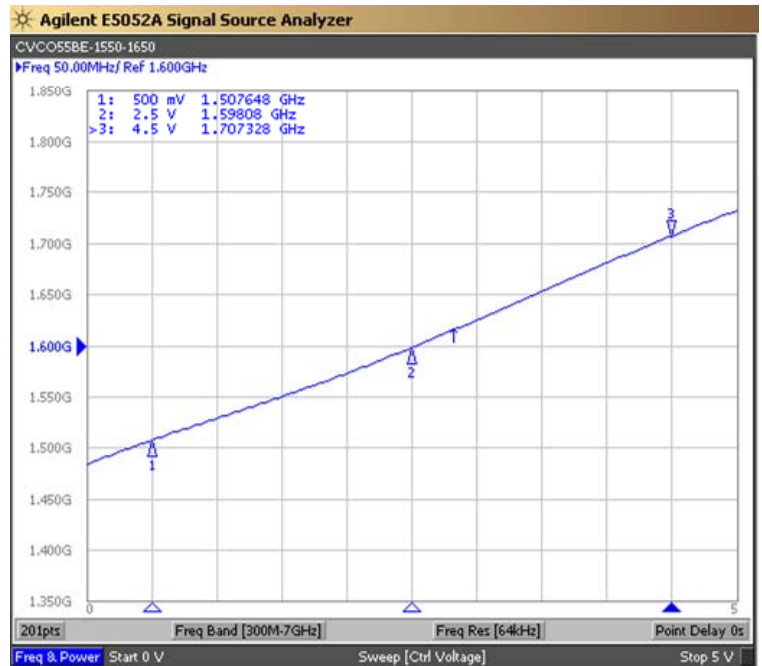


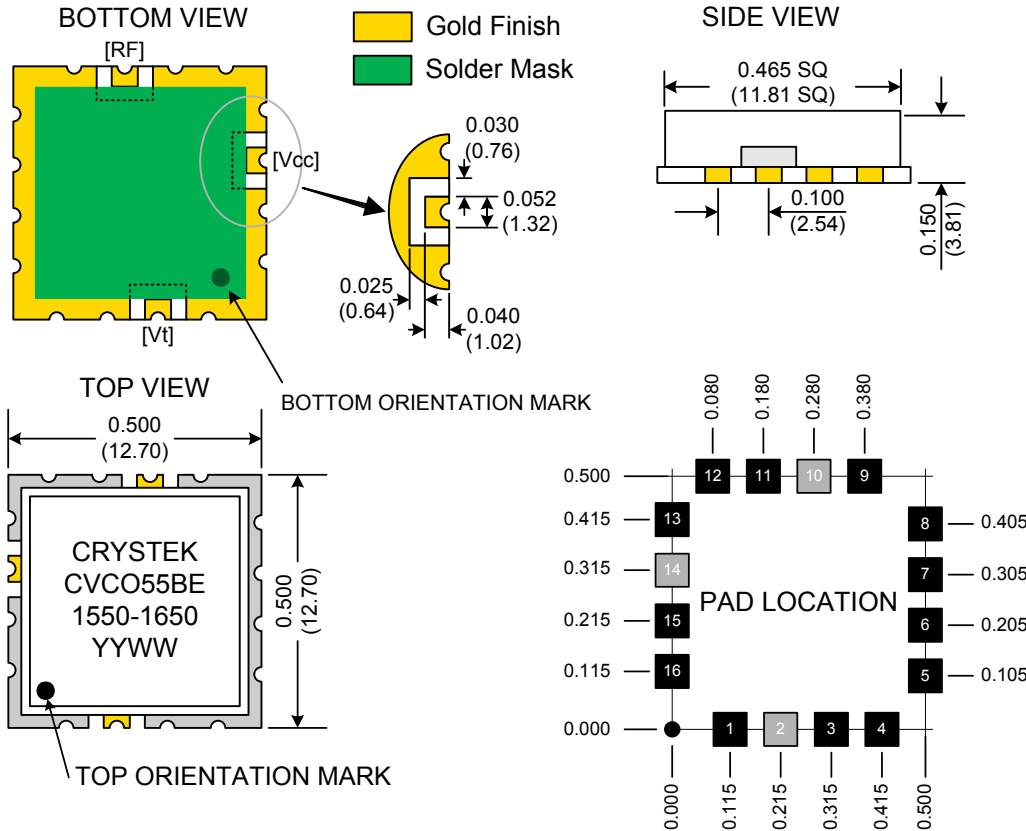
| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|--|------|------|------|--------------|
| Lower Frequency: | | | 1550 | MHz |
| Upper Frequency: | 1650 | | | MHz |
| Tuning Voltage: | 0.5 | | 4.5 | VDC |
| Supply Voltage: | 4.75 | 5.0 | 5.25 | VDC |
| Output Power: | 0 | +3.0 | +6.0 | dBm |
| Supply Current: | 14 | 17 | 20 | mA |
| Harmonic Suppression (2 nd Harmonic): | | -15 | -10 | dBc |
| Pushing: | | 1.0 | 3.0 | MHz/V |
| Pulling, all Phases: | | 4.0 | 6.0 | MHz pk-pk |
| Tuning Sensitivity: | | 45 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -102 | -98 | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -122 | -118 | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | | 50 | pF |
| Operating Temperature Range: | -40 | | +85 | $^{\circ}$ C |
| Storage Temperature Range: | -45 | | +90 | $^{\circ}$ C |

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)





TAPE AND REEL



Drawing not to scale

Product Control:

| | | | |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CVCO55BE-1550-1650 | Release Date: | 04-March-08 |
| Revision Level: | D | Responsible: | C. Vales |

Specification is subject to change without notice