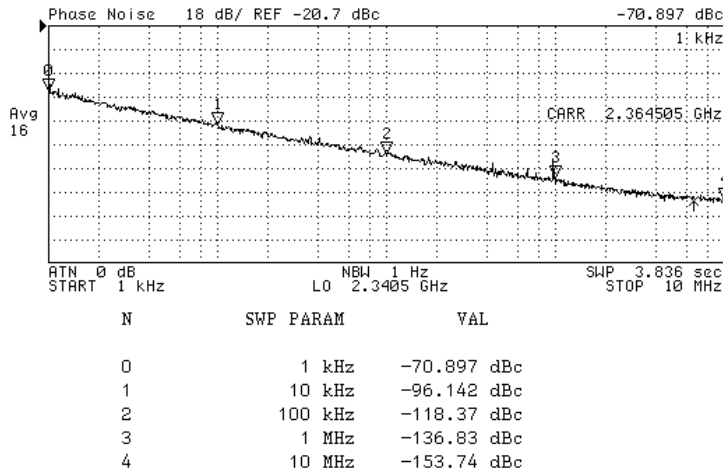


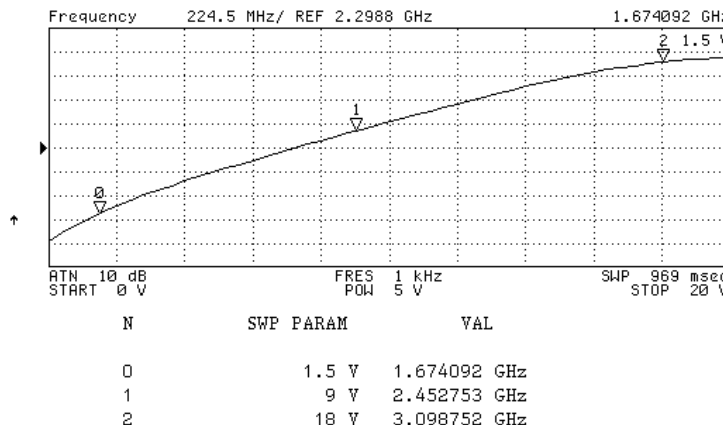


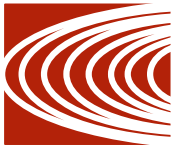
| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|--|------|------|------|--------------|
| Lower Frequency: | | | 1800 | MHz |
| Upper Frequency: | 3000 | | | MHz |
| Tuning Voltage: | 1.5 | | 18 | VDC |
| Supply Voltage: | 4.75 | 5.0 | 5.25 | VDC |
| Output Power: | 0.0 | +2.5 | +5.0 | dBm |
| Supply Current: | | 15 | 25 | mA |
| Harmonic Suppression (2 nd Harmonic): | | -20 | -15 | dBc |
| Pushing: | | 2.5 | 5.0 | MHz/V |
| Pulling, all Phases: | | 2.5 | 5.0 | MHz pk-pk |
| Tuning Sensitivity: | | 100 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -96 | -93 | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -118 | -115 | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | | 22 | pF |
| Operating Temperature Range: | -40 | | +85 | $^{\circ}$ C |
| Storage Temperature Range: | -45 | | +90 | $^{\circ}$ C |

Phase Noise
(1 Hz BW, Typical)



Tuning Curve
(Typical)

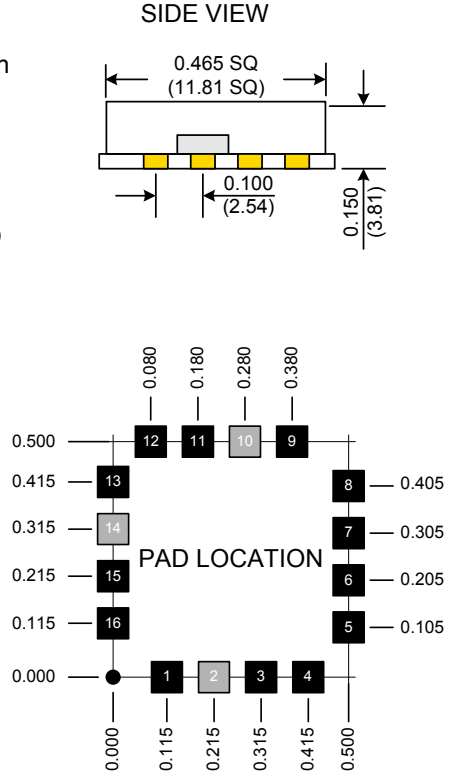
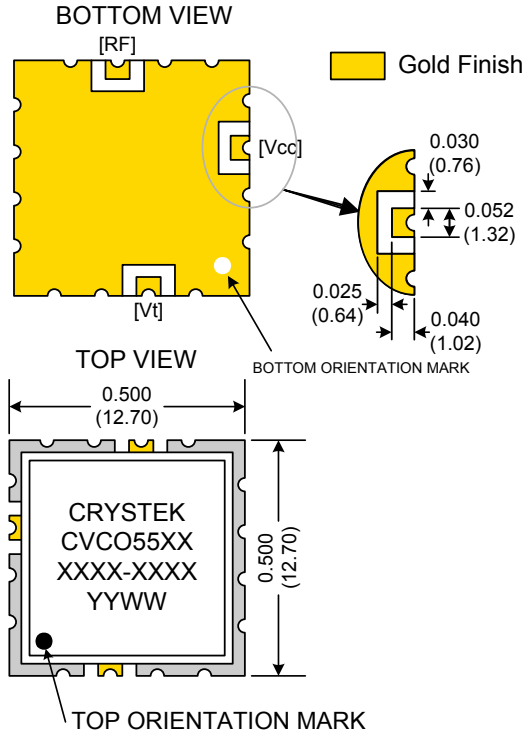




CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

Voltage Controlled Oscillator-VCO

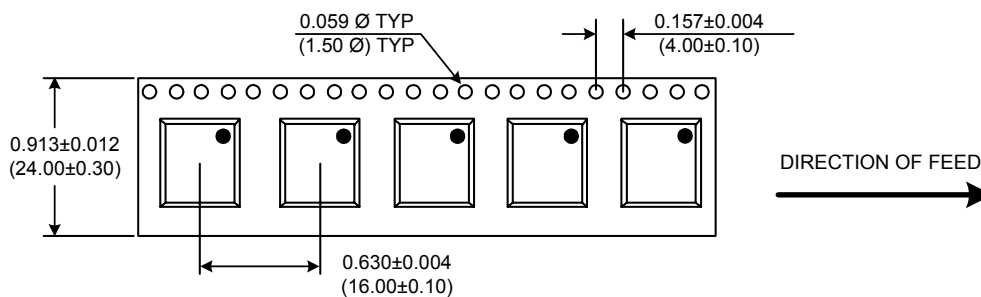
CVCO55BE-1800-3000



| 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: | CVCO55BE-1800-3000 | Release Date: | 04-Dec-07 |
| Revision Level: | A | Responsible: | C. Vales |

Specification is subject to change without notice



CRYSTEK
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