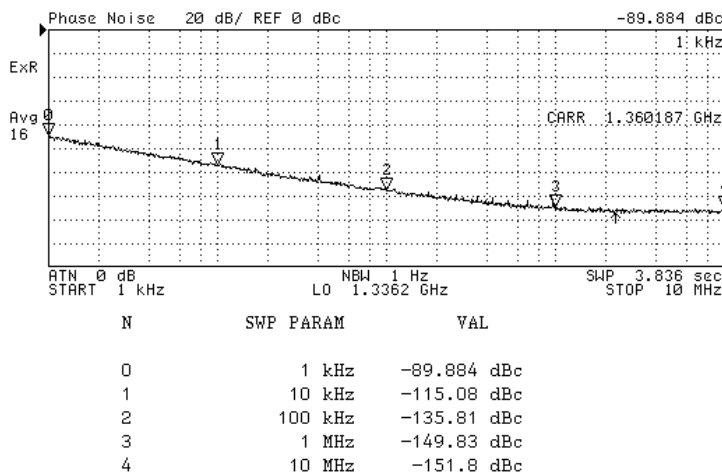


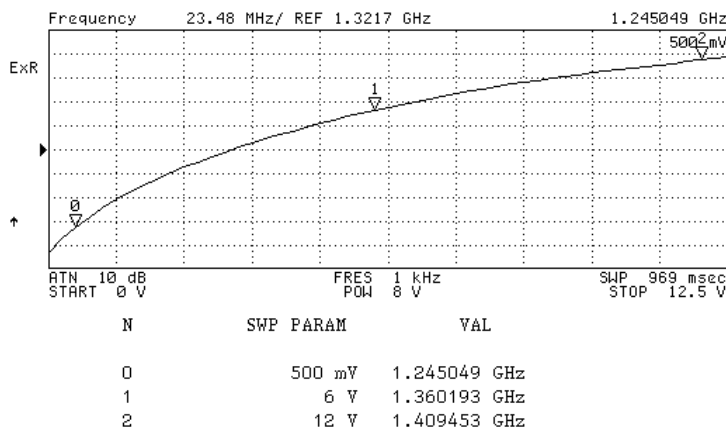


| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|--|------|------|------|--------------|
| Lower Frequency: | | | 1260 | MHz |
| Upper Frequency: | 1400 | | | MHz |
| Tuning Voltage: | 0.5 | | 12.0 | VDC |
| Supply Voltage: | 7.75 | 8.0 | 8.25 | VDC |
| Output Power: | +1.0 | +3.0 | +5.0 | dBm |
| Supply Current: | | 25 | | mA |
| Harmonic Suppression (2 nd Harmonic): | | -20 | -15 | dBc |
| Pushing: | | 0.2 | 0.5 | MHz/V |
| Pulling, all Phases: | | 0.2 | 0.5 | MHz pk-pk |
| Tuning Sensitivity: | | 14 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -115 | -110 | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -135 | -130 | 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)



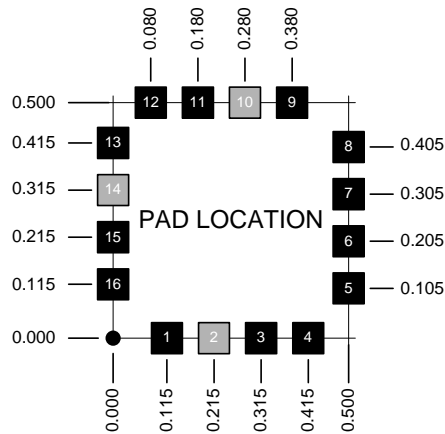
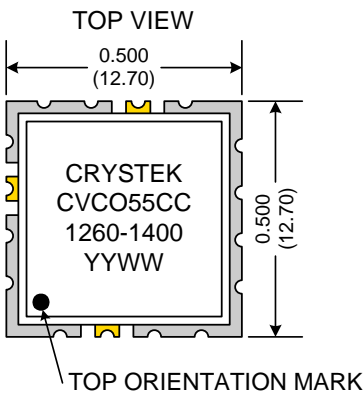
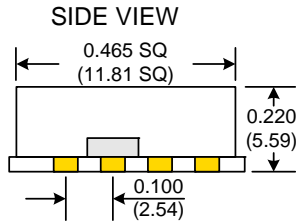
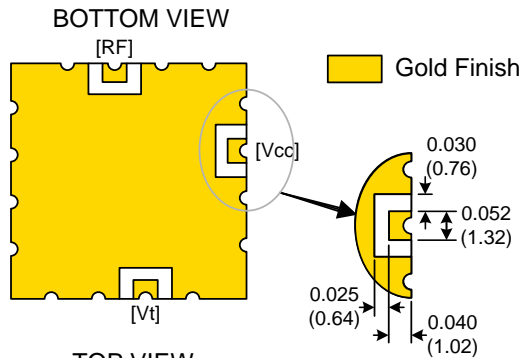
Tuning Curve
(Typical)





CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

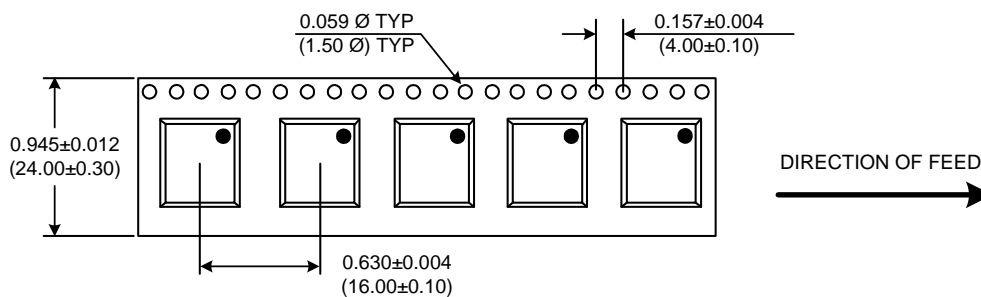
Coaxial Resonator Oscillator-CRO CVCO55CC-1260-1400



| 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-1260-1400 | Release Date: | 18-Feb-08 |
| Revision Level: | B | Responsible: | C. Vales |

Specification is subject to change without notice



CRYSTEK
 CORPORATION

12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
 PHONE: 239-561-3311 • 800-237-3061
 FAX: 239-561-1025 • WWW.CRYSTEK.COM