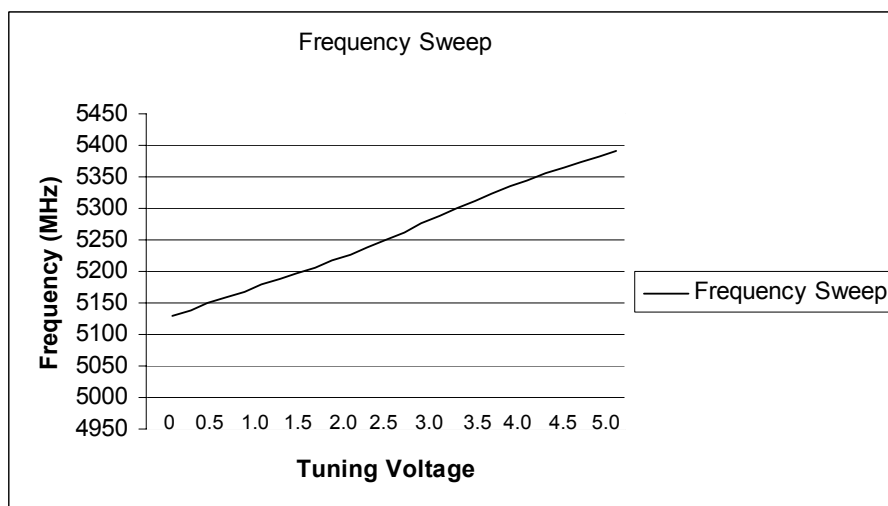
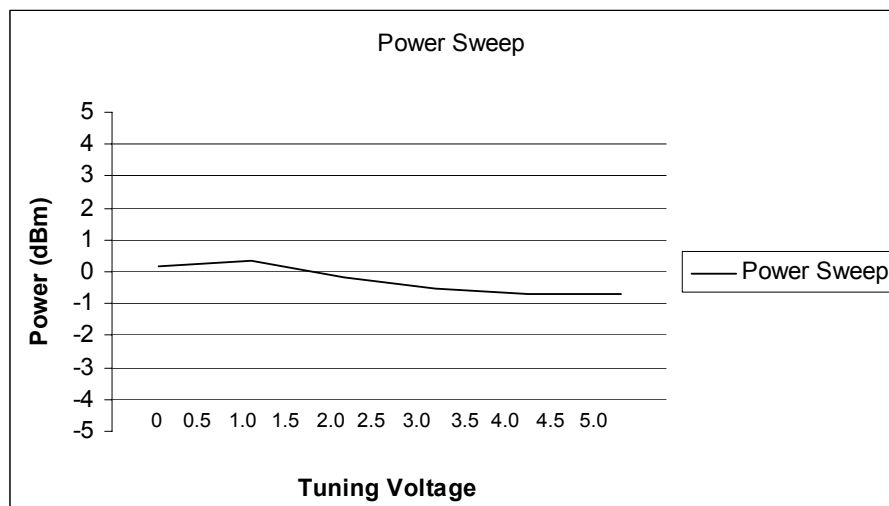


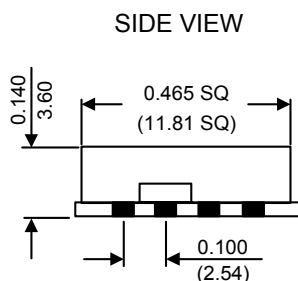
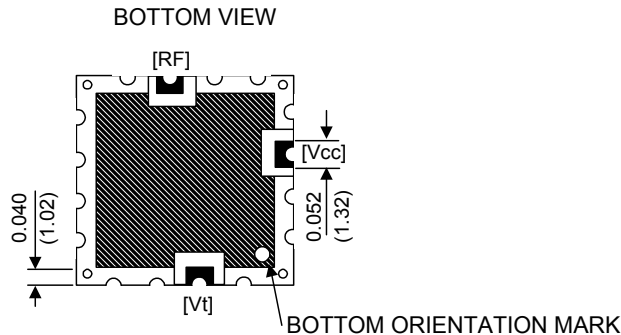
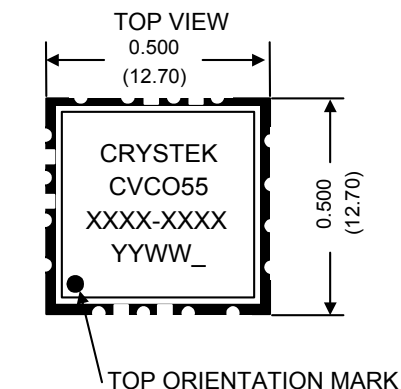
| AVAILABLE PERFORMANCE SPECIFICATION  | MIN  | TYP | MAX  | UNITS              |
|--------------------------------------|------|-----|------|--------------------|
| Lower Frequency:                     |      |     | 5256 | MHz                |
| Upper Frequency:                     | 5356 |     |      | MHz                |
| Tuning Voltage:                      | 1    |     | 4    | VDC                |
| Supply Voltage:                      | 4.75 | 5.0 | 5.25 | VDC                |
| Output Power:                        | -2   | 0   | +2   | dBm                |
| Supply Current:                      |      | 25  | 30   | mA                 |
| Harmonic Suppression (2nd Harmonic): |      | -10 |      | dBc                |
| Pushing:                             |      |     | 5    | MHz/V              |
| Pulling, all Phases:                 |      |     | 4    | MHz                |
| Tuning Sensitivity:                  |      | 56  |      | MHz/V              |
| Phase Noise @ 10kHz offset:          |      | -86 |      | dBc/Hz             |
| Load Impedance:                      |      | 50  |      | $\Omega$           |
| Input Capacitance:                   |      |     | 10   | pF                 |
| Operating Temperature Range:         | -40  |     | +85  | $^{\circ}\text{C}$ |

Tuning Curve, Typical

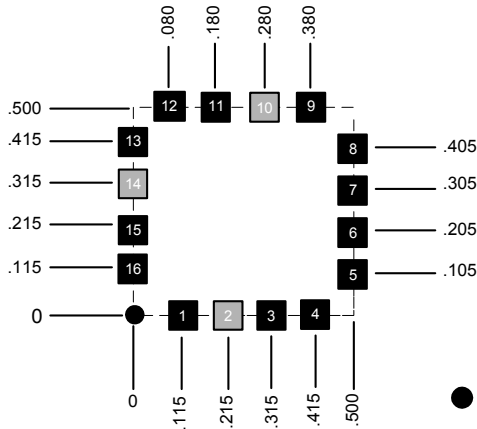


Power Curve, Typ



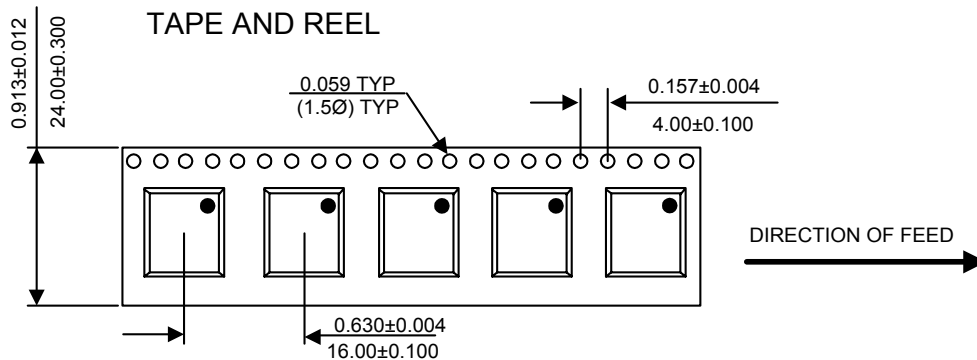


### RECOMMENDED SOLDER PATTERN



| Pad    | Connection      |
|--------|-----------------|
| 2      | V <sub>t</sub>  |
| 10     | RF-OUTPUT       |
| 14     | V <sub>cc</sub> |
| Others | GROUND          |

- Unless otherwise specified, Dimensions are in: IN  
(mm)
- Recommended Solder Pattern dimension are in: Inches



Drawing not to scale

### Product Control:

|                      |                    |               |           |
|----------------------|--------------------|---------------|-----------|
| Crystek Part Number: | CVCO55BH-5256-5356 | Release Date: | 25-Mar-04 |
| Revision Level:      | A                  | Responsible:  | C. Vales  |