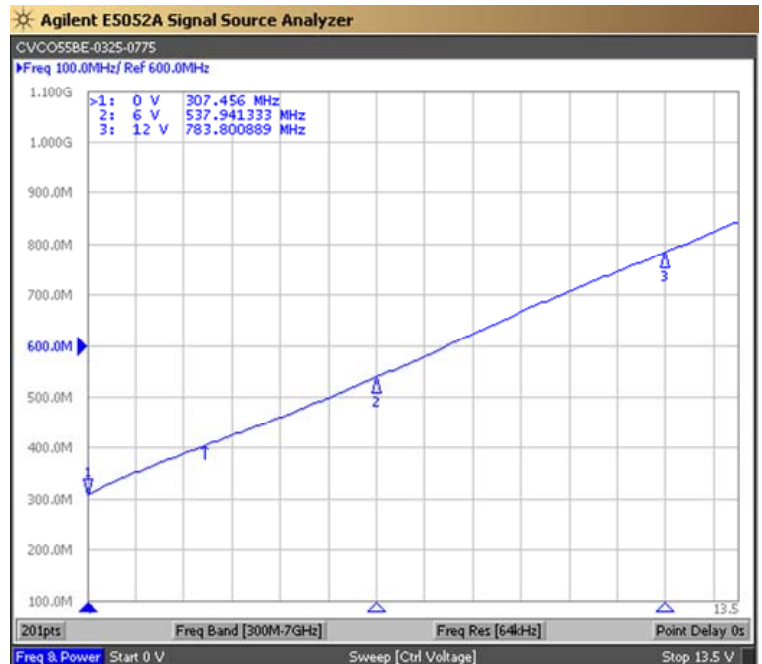
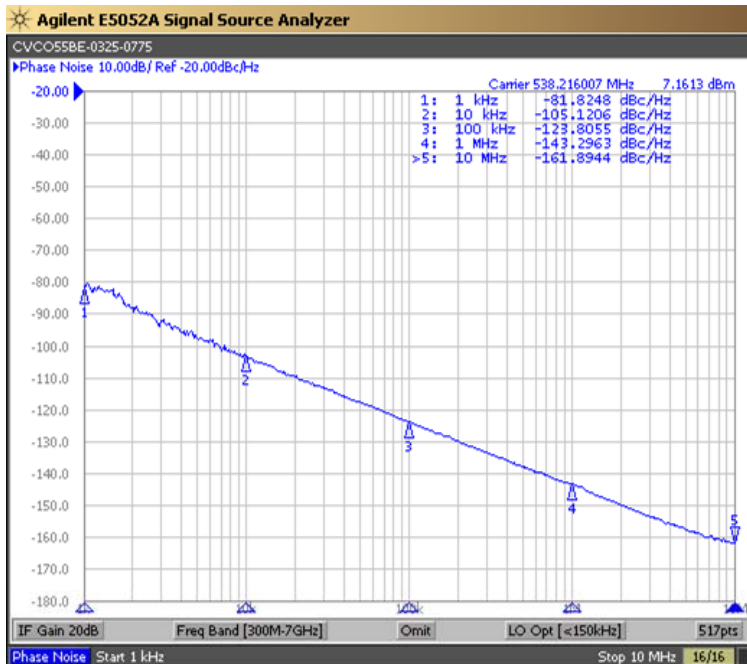




| PERFORMANCE SPECIFICATION                        | MIN   | TYP  | MAX   | UNITS        |
|--|-------|------|-------|--------------|
| Lower Frequency:                                 |       |      | 325   | MHz          |
| Upper Frequency:                                 | 775   |      |       | MHz          |
| Tuning Voltage:                                  | 0     |      | 12.0  | VDC          |
| Supply Voltage:                                  | 11.75 | 12.0 | 12.25 | VDC          |
| Output Power:                                    | +2.0  | +7.0 | +12.0 | dBm          |
| Supply Current:                                  |       | 25   |       | mA           |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic): |       | -10  | -5    | dBc          |
| Pushing:   |       | 0.5  | 1.5   | MHz/V        |
| Pulling, all Phases:                             |       |      | 5.0   | MHz pk-pk    |
| Tuning Sensitivity:                              |       | 45   |       | MHz/V        |
| Phase Noise @ 10kHz offset:                      |       |      | -98   | dBc/Hz       |
| Phase Noise @ 100kHz offset:                     |       |      | -118  | dBc/Hz       |
| Load Impedance:                                  |       | 50   |       | $\Omega$     |
| Input Capacitance:                               |       |      | 330   | pF           |
| Operating Temperature Range:                     | -40   |      | +85   | $^{\circ}$ C |
| Storage Temperature Range:                       | -45   |      | +90   | $^{\circ}$ C |

Phase Noise (1 Hz BW, Typical)

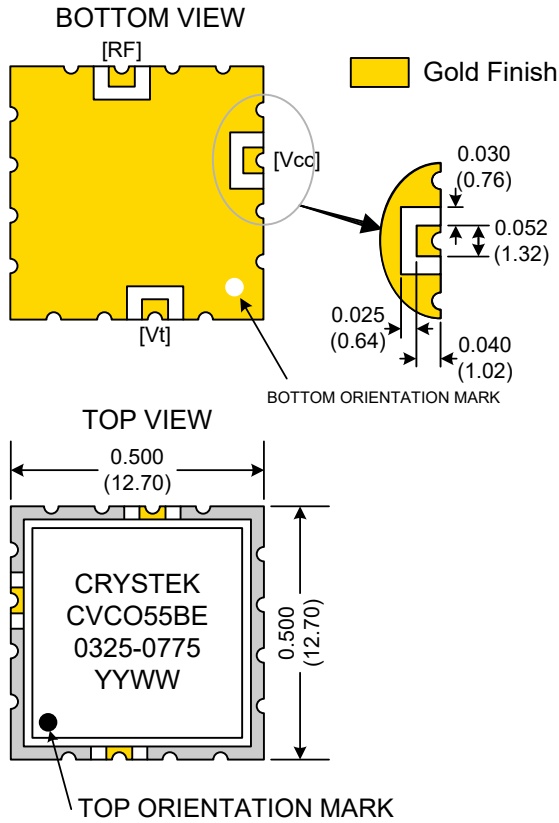
Tuning Curve (Typical)



**Product Control:**

|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CVCO55BE-0325-0775 | Release Date: | 20-Dec-2019 |
| Revision Level:      | J                  | Responsible:  | C. Vales    |

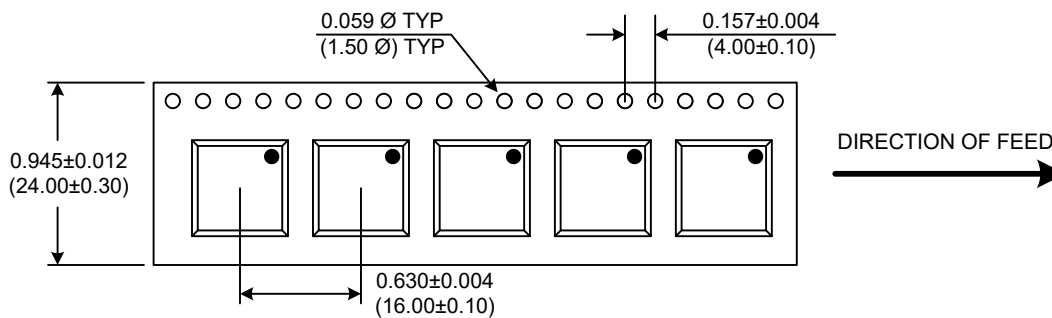




| Pad    | Connection |
|--------|------------|
| 2      | Vt         |
| 10     | RF-OUTPUT  |
| 14     | Vcc        |
| Others | GROUND     |

- 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: | CVCO55BE-0325-0775 | Release Date: | 20-Dec-2019 |
| Revision Level:      | J                  | Responsible:  | C. Vales    |

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