



| PERFORMANCE SPECIFICATION                        | MIN   | TYP  | MAX   | UNITS        |
|--|-------|------|-------|--------------|
| Lower Frequency:                                 |       |      | 2700  | MHz          |
| Upper Frequency:                                 | 3400  |      |       | MHz          |
| Tuning Voltage:                                  | 1.0   |      | 10.0  | VDC          |
| Supply Voltage:                                  | 10.67 | 11.0 | 11.33 | VDC          |
| Output Power:                                    | +8    | +10  | +12   | dBm          |
| Supply Current:                                  |       |      | 60    | mA           |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic): |       |      | -12   | dBc          |
| Pushing:   |       | 10.0 |       | MHz/V        |
| Pulling, all Phases:                             |       | 25.0 |       | MHz pk-pk    |
| Tuning Sensitivity:                              |       | 120  |       | MHz/V        |
| Phase Noise @ 10kHz offset:                      |       | -85  |       | dBc/Hz       |
| Phase Noise @ 100kHz offset:                     |       | -105 |       | dBc/Hz       |
| Load Impedance:                                  |       | 50   |       | $\Omega$     |
| Input Capacitance:                               |       |      | 200   | pF           |
| Operating Temperature Range:                     | -40   |      | +85   | $^{\circ}$ C |
| Storage Temperature Range:                       | -45   |      | +90   | $^{\circ}$ C |

**Special Features:**

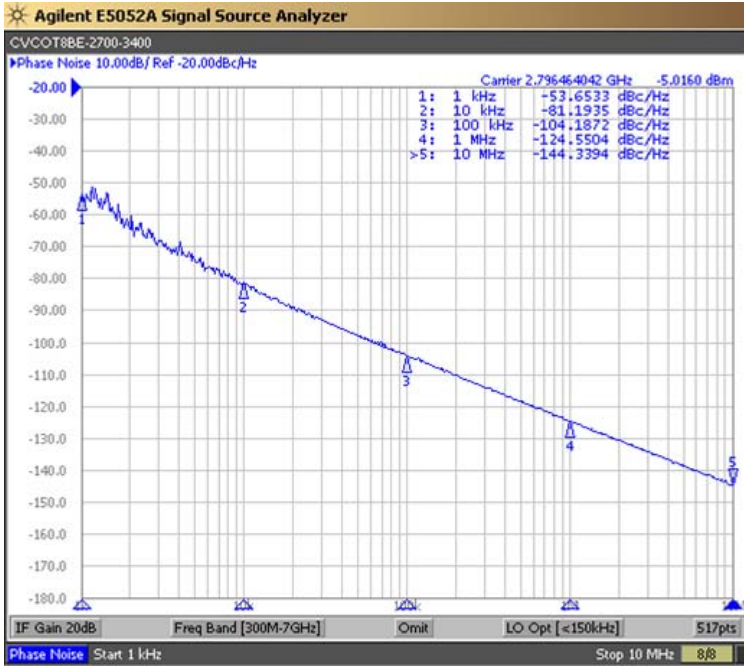
- No Internal Wire Bonds
- Resistance Welded for Hermetic Seal
- Low Phase Noise
- Gold Plated Pins



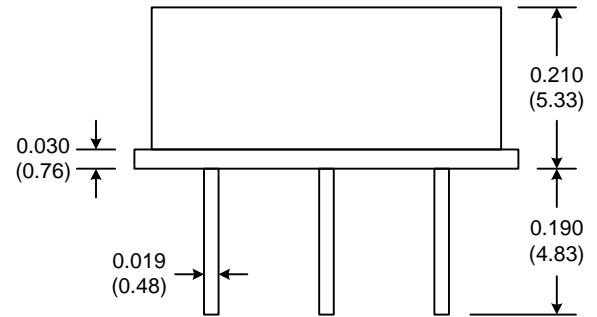
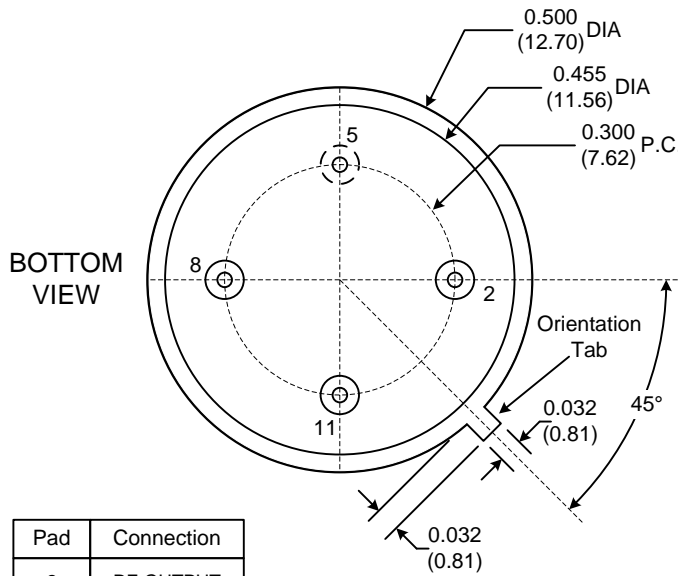
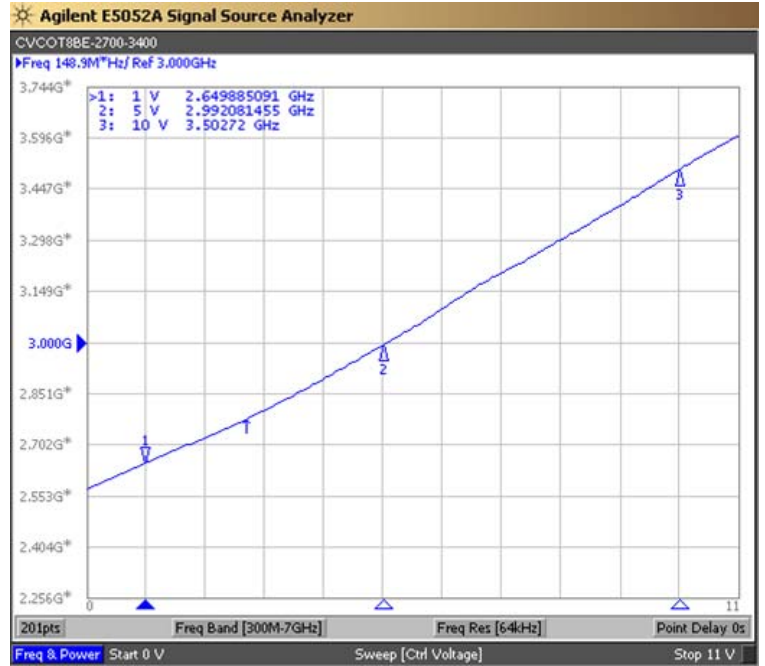
|                         |                    |               |             |
|-------------------------|--------------------|---------------|-------------|
| <b>Product Control:</b> |                    |               |             |
| Crystek Part Number:    | CVCOT8BE-2700-3400 | Release Date: | 27-Aug-2014 |
| Revision Level:         | D                  | Responsible:  | C. Vales    |



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



| Pad | Connection |
|-----|------------|
| 2   | RF-OUTPUT  |
| 5   | GROUND     |
| 8   | Vt         |
| 11  | Vcc        |

- Unless otherwise specified, Dimensions are in: IN (mm)
- Orientation determined by tab, not by marking

**Product Control:**

|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
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Specification is subject to change without notice