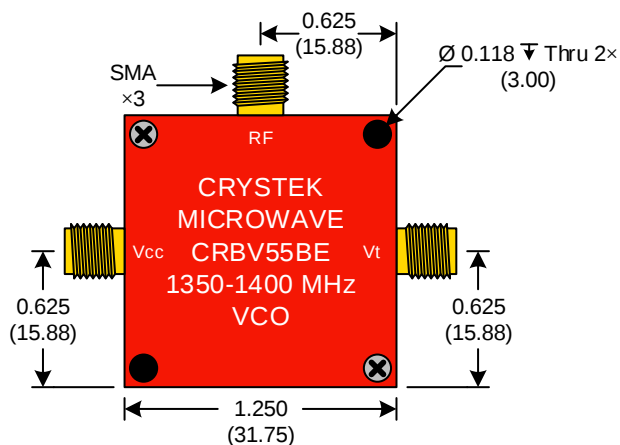
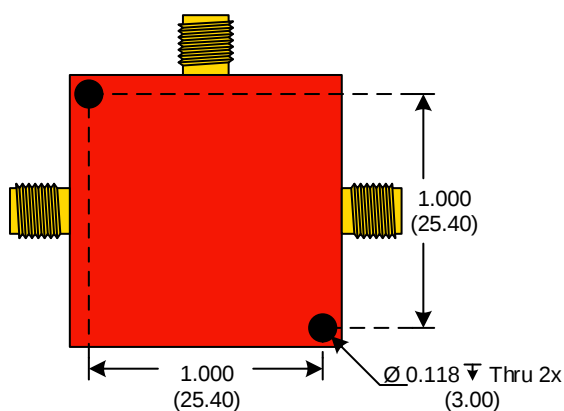


| PERFORMANCE SPECIFICATION                       | MIN  | TYP  | MAX   | UNITS     |
|-------------------------------------------------|------|------|-------|-----------|
| Lower Frequency:                                |      |      | 1350  | MHz       |
| Upper Frequency:                                | 1400 |      |       | MHz       |
| Tuning Voltage:                                 | 0.5  |      | 4.5   | VDC       |
| Supply Voltage:                                 | 4.75 | 5.0  | 5.25  | VDC       |
| Output Power:                                   | +2.0 | +7.0 | +12.0 | dBm       |
| Supply Current:                                 |      | 20   | 35    | mA        |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic) |      | -15  | -10   | dBc       |
| Pushing:                                        |      | 1.5  | 3.0   | MHz/V     |
| Pulling, all Phases:                            |      | 1.5  | 3.0   | MHz pk-pk |
| Tuning Sensitivity:                             |      | 25   |       | MHz/V     |
| Phase Noise @ 10kHz offset:                     |      | -105 | -100  | dBc/Hz    |
| Phase Noise @ 100kHz offset:                    |      | -127 | -122  | dBc/Hz    |
| Load Impedance:                                 |      | 50   |       | $\Omega$  |
| Input Capacitance:                              |      |      | 50    | pF        |
| Operating Temperature Range:                    | -40  |      | +85   | °C        |
| Storage Temperature Range:                      | -45  |      | +90   | °C        |

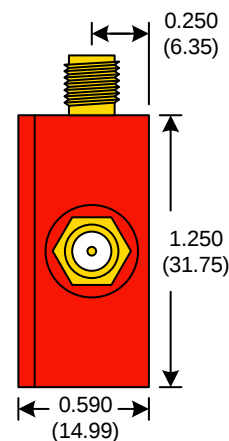
FRONT



BACK



SIDE

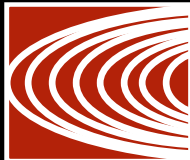


● Unless otherwise specified, Dimensions are in:  $\frac{\text{IN}}{(\text{mm})}$

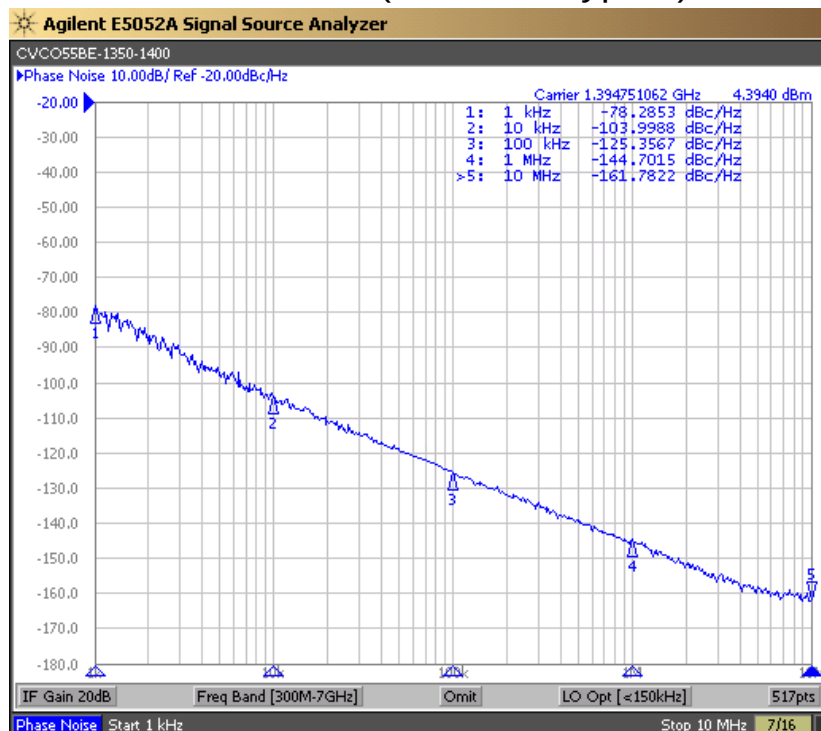
**Product Control:**

|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55BE-1350-1400 | Release Date: | 21-Jan-2014 |
| Revision Level:      | D                  | Responsible:  | C. Vales    |

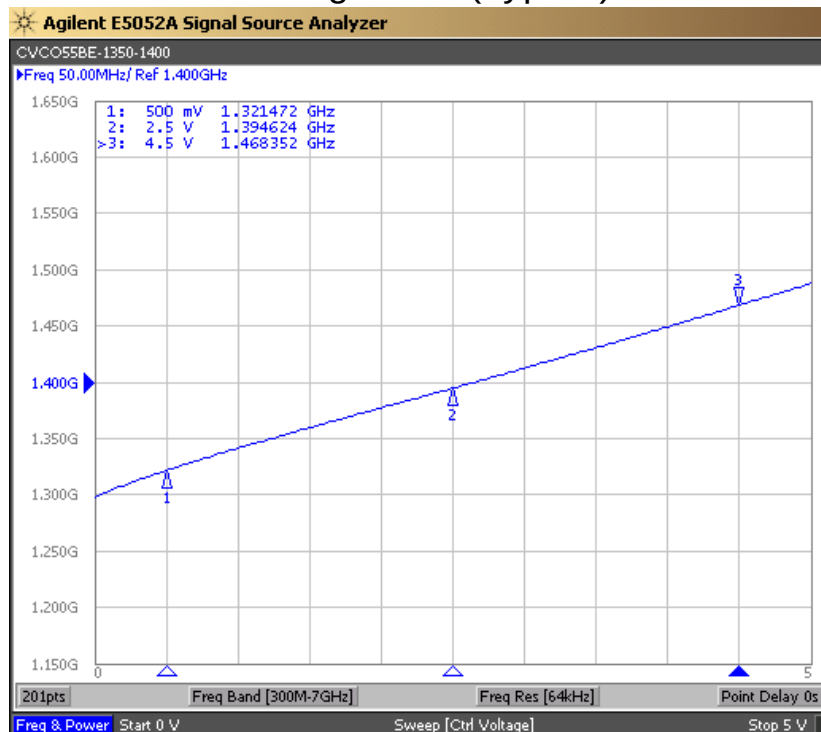




### Phase Noise (1 Hz BW, Typical)



### Tuning Curve (Typical)



#### Product Control:

|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55BE-1350-1400 | Release Date: | 21-Jan-2014 |
| Revision Level:      | D                  | Responsible:  | C. Vales    |

Specification is subject to change without notice



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