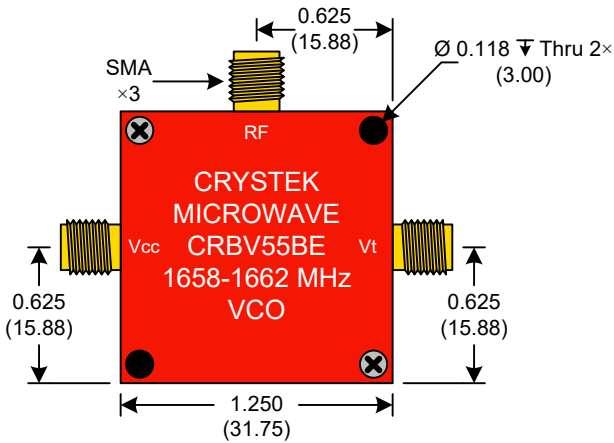


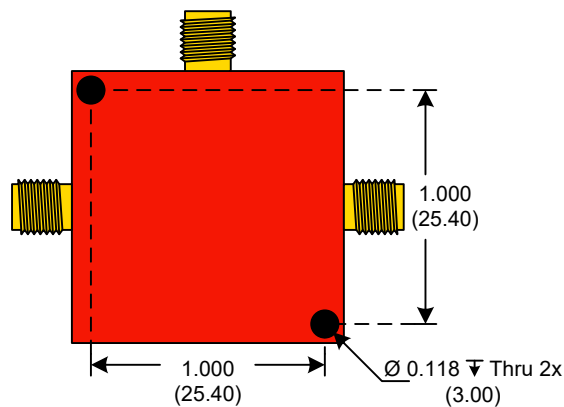


| PERFORMANCE SPECIFICATION                       | MIN  | TYP  | MAX  | UNITS        |
|---|------|------|------|--------------|
| Lower Frequency:                                |      |      | 1658 | MHz          |
| Upper Frequency:                                | 1662 |      |      | MHz          |
| Tuning Voltage:                                 | 0.5  |      | 2.0  | VDC          |
| Supply Voltage:                                 | 7.8  | 8.0  | 8.2  | VDC          |
| Output Power:                                   | 0    | +3.0 | +6.0 | dBm          |
| Supply Current:                                 |      | 25   | 35   | mA           |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic) |      | -15  | -10  | dBc          |
| Pushing:  |      | 3.0  | 5.0  | MHz/V        |
| Pulling, all Phases:                            |      | 3.0  | 5.0  | MHz pk-pk    |
| Tuning Sensitivity:                             |      | 20   |      | MHz/V        |
| Phase Noise @ 10kHz offset:                     |      | -106 | -102 | dBc/Hz       |
| Phase Noise @ 100kHz offset:                    |      | -127 | -124 | dBc/Hz       |
| Load Impedance:                                 |      | 50   |      | $\Omega$     |
| Input Capacitance:                              |      |      | 22   | pF           |
| Operating Temperature Range:                    | -40  |      | +85  | $^{\circ}$ C |
| Storage Temperature Range:                      | -45  |      | +90  | $^{\circ}$ C |

FRONT



BACK



SIDE



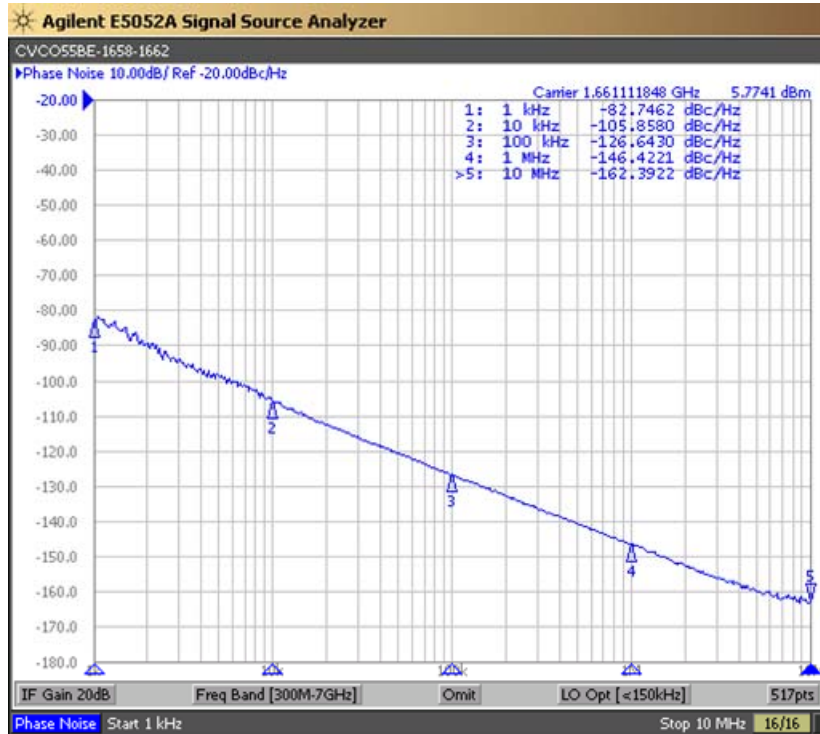
● Unless otherwise specified, Dimensions are in:  $\frac{IN}{(mm)}$

**Product Control:**

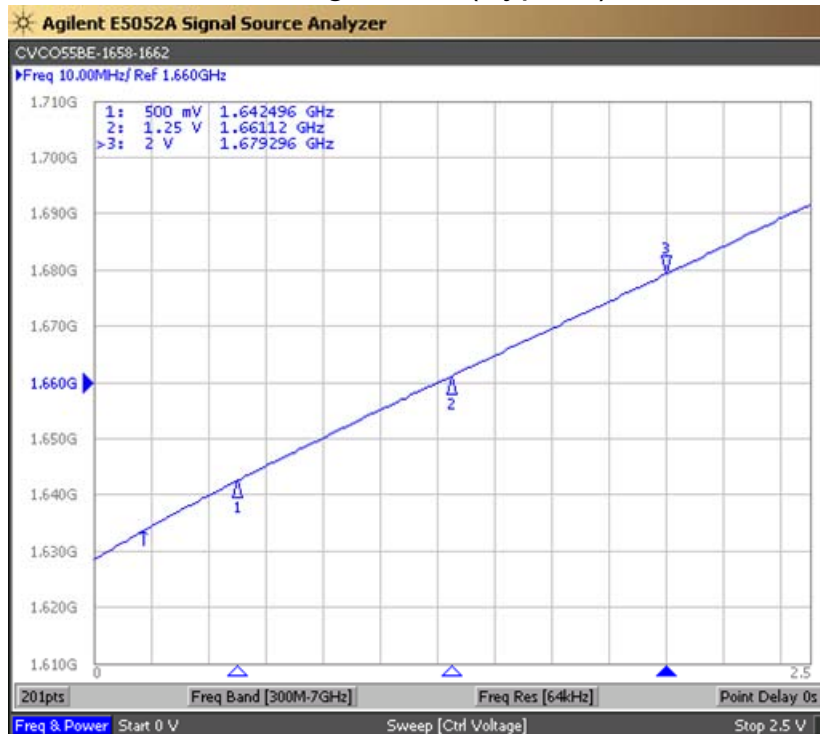
|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55BE-1658-1662 | Release Date: | 30-Jan-2014 |
| Revision Level:      | D                  | Responsible:  | C. Vales    |



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55BE-1658-1662 | Release Date: | 30-Jan-2014 |
| Revision Level:      | D                  | Responsible:  | C. Vales    |

Specification is subject to change without notice