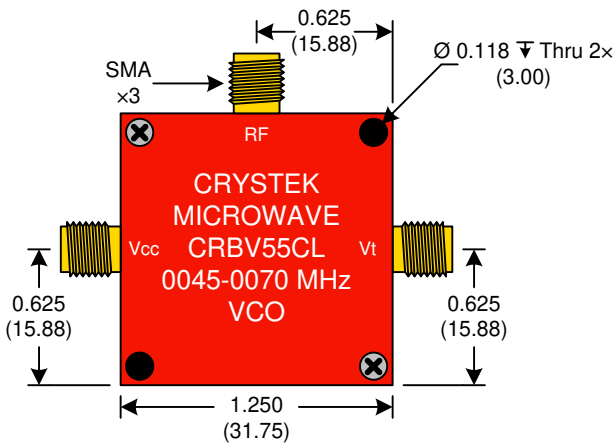


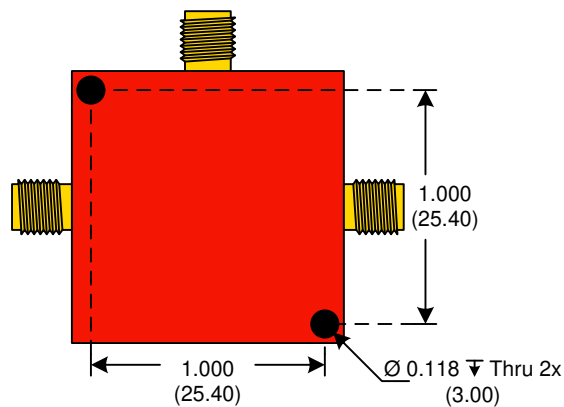


| PERFORMANCE SPECIFICATION                       | MIN  | TYP  | MAX   | UNITS        |
|---|------|------|-------|--------------|
| Lower Frequency:                                |      |      | 45    | MHz          |
| Upper Frequency:                                | 70   |      |       | MHz          |
| Tuning Voltage:                                 | 0.5  |      | 10.5  | VDC          |
| Supply Voltage:                                 | 4.75 | 5.0  | 5.25  | VDC          |
| Output Power:                                   | +4.0 | +7.0 | +10.0 | dBm          |
| Supply Current:                                 |      | 15   | 22    | mA           |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic) |      | -10  |       | dBc          |
| Pushing:  |      | 0.5  | 1.0   | MHz/V        |
| Pulling, all Phases:                            |      | 1.0  | 2.0   | MHz pk-pk    |
| Tuning Sensitivity:                             |      | 4    |       | MHz/V        |
| Phase Noise @ 10kHz offset:                     |      | -115 |       | dBc/Hz       |
| Phase Noise @ 100kHz offset:                    |      | -134 |       | dBc/Hz       |
| Load Impedance:                                 |      | 50   |       | $\Omega$     |
| Input Capacitance:                              |      |      | 150   | pF           |
| Operating Temperature Range:                    | -40  |      | +85   | $^{\circ}$ C |
| Storage Temperature Range:                      | -45  |      | +90   | $^{\circ}$ C |

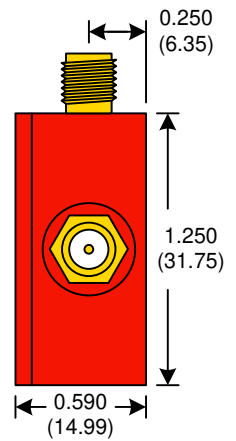
FRONT



BACK



SIDE



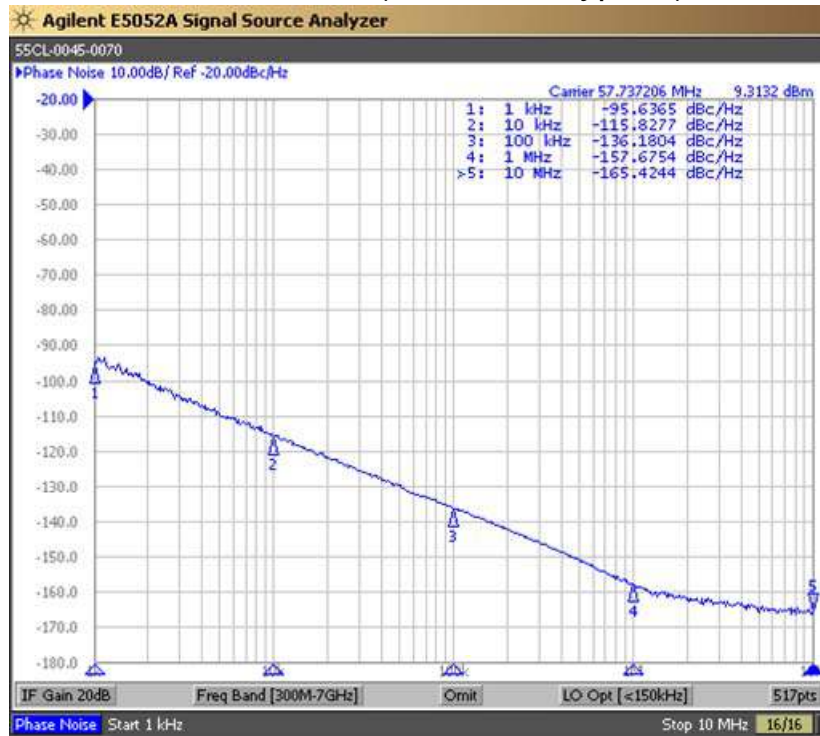
● Unless otherwise specified, Dimensions are in:  $\frac{IN}{(mm)}$

**Product Control:**

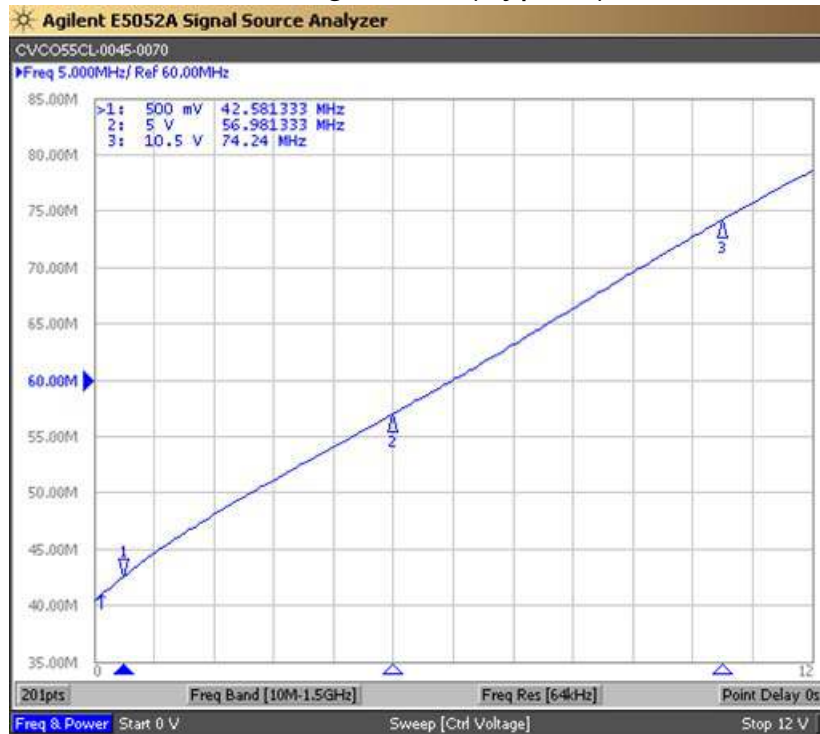
|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55CL-0045-0070 | Release Date: | 17-Dec-2014 |
| Revision Level:      | E                  | Responsible:  | C. Vales    |



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55CL-0045-0070 | Release Date: | 17-Dec-2014 |
| Revision Level:      | E                  | Responsible:  | C. Vales    |

Specification is subject to change without notice