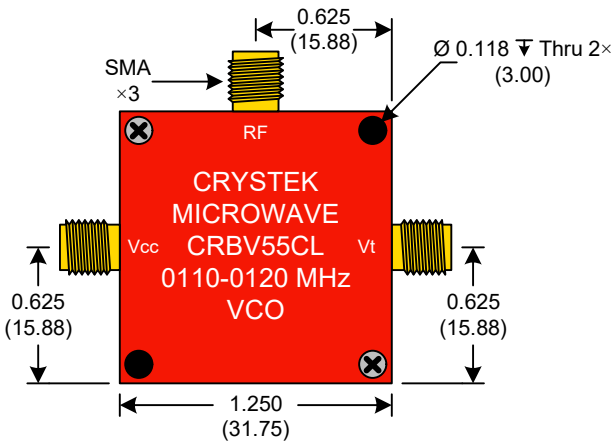


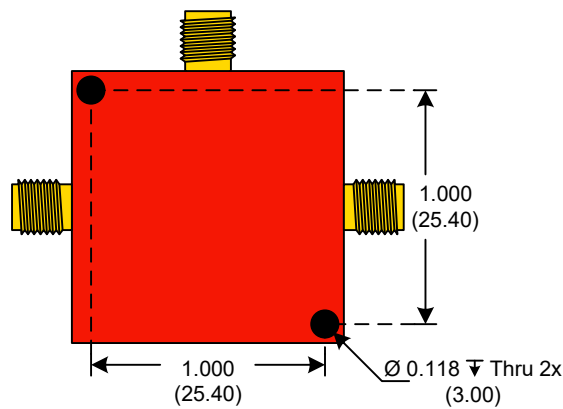


| PERFORMANCE SPECIFICATION                       | MIN  | TYP  | MAX   | UNITS              |
|---|------|------|-------|--------------------|
| Lower Frequency:                                |      |      | 110   | MHz                |
| Upper Frequency:                                | 120  |      |       | MHz                |
| Tuning Voltage:                                 | 0.5  |      | 4.5   | VDC                |
| Supply Voltage:                                 | 4.75 | 5.0  | 5.25  | VDC                |
| Output Power:                                   | +5.0 | +8.0 | +11.0 | dBm                |
| Supply Current:                                 |      | 15   | 25    | mA                 |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic) |      | -10  |       | dBc                |
| Pushing:  |      | 0.2  | 0.4   | MHz/V              |
| Pulling, all Phases:                            |      | 0.2  | 0.4   | MHz pk-pk          |
| Tuning Sensitivity:                             |      | 8    |       | MHz/V              |
| Phase Noise @ 10kHz offset:                     |      | -119 | -117  | dBc/Hz             |
| Phase Noise @ 100kHz offset:                    |      | -138 | -133  | dBc/Hz             |
| Load Impedance:                                 |      | 50   |       | $\Omega$           |
| Input Capacitance:                              |      |      | 150   | pF                 |
| Operating Temperature Range:                    | -40  |      | +85   | $^{\circ}\text{C}$ |
| Storage Temperature Range:                      | -45  |      | +90   | $^{\circ}\text{C}$ |

FRONT



BACK



SIDE



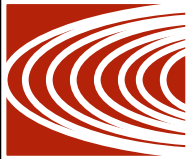
● Unless otherwise specified, Dimensions are in:  $\frac{\text{IN}}{\text{(mm)}}$



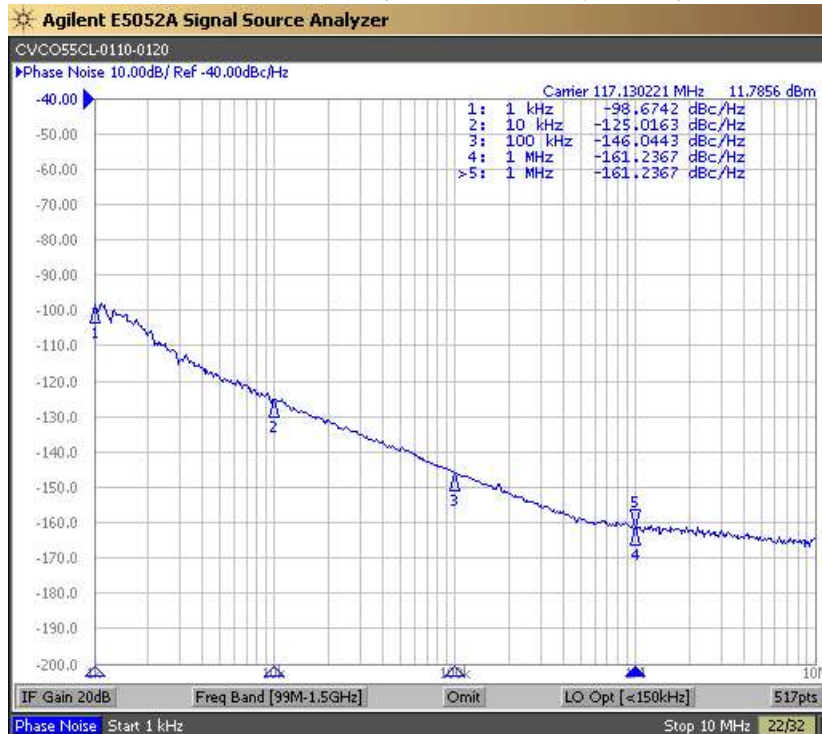
Proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

**Product Control:**

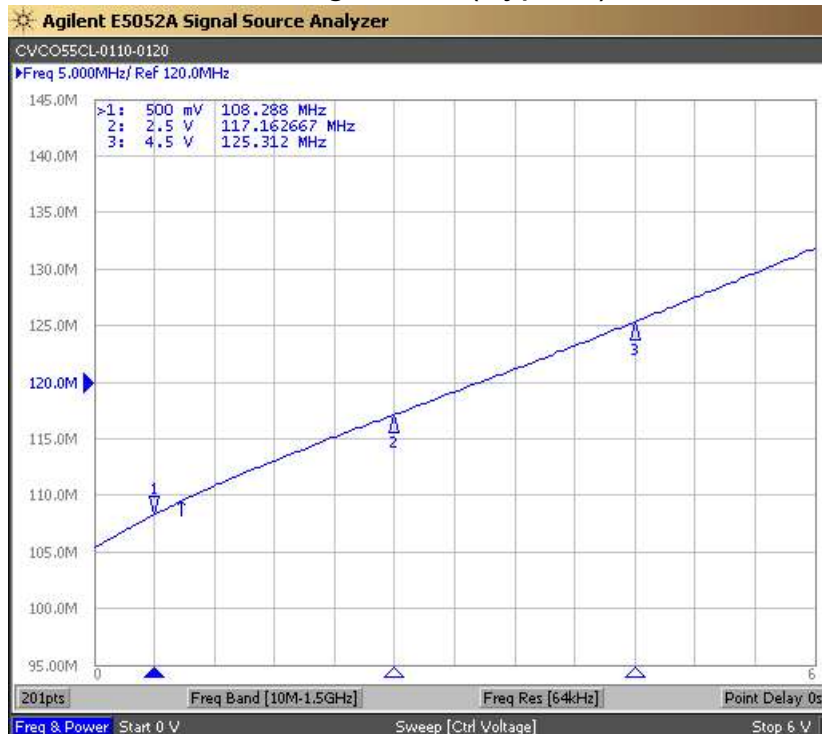
|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55CL-0110-0120 | Release Date: | 18-Mar-2026 |
| Revision Level:      | C                  | Responsible:  | C. Vales    |



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55CL-0110-0120 | Release Date: | 18-Mar-2026 |
| Revision Level:      | C                  | Responsible:  | C. Vales    |

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