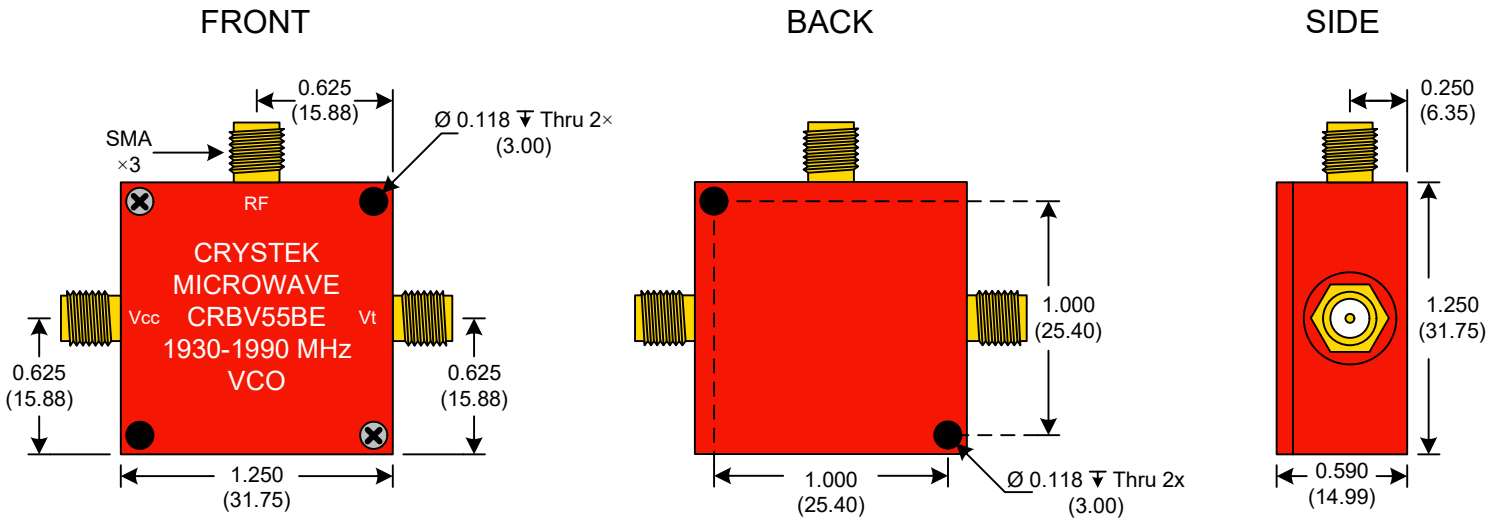




| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|---|------|------|------|--------------------|
| Lower Frequency: | | | 1930 | MHz |
| Upper Frequency: | 1990 | | | MHz |
| Tuning Voltage: | 0.5 | | 4.5 | VDC |
| Supply Voltage: | 4.75 | 5.0 | 5.25 | VDC |
| Output Power: | 0 | +2.5 | +5.0 | dBm |
| Supply Current: | | 15 | 20 | mA |
| Harmonic Suppression (2 nd Harmonic) | | -10 | | dBc |
| Pushing: | | 1.0 | 2.0 | MHz/V |
| Pulling, all Phases: | | 11.0 | 13.0 | MHz pk-pk |
| Tuning Sensitivity: | | 25 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -105 | -101 | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -122 | -118 | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | | 33 | pF |
| Operating Temperature Range: | -40 | | +70 | $^{\circ}\text{C}$ |
| Storage Temperature Range: | -45 | | +90 | $^{\circ}\text{C}$ |



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



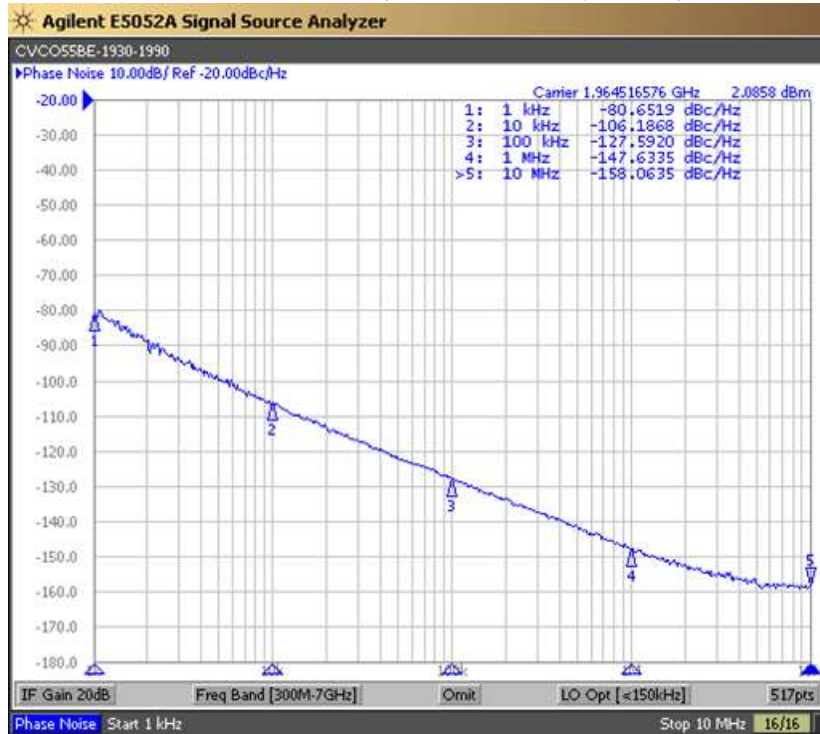
Proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

Product Control:

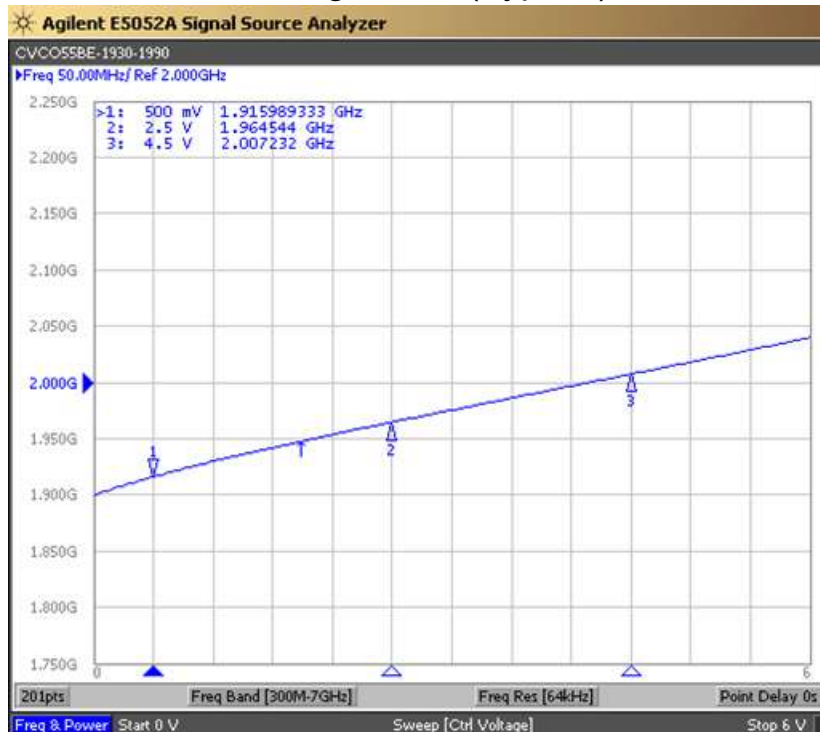
| | | | |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55BE-1930-1990 | Release Date: | 19-Feb-2026 |
| Revision Level: | E | Responsible: | C. Vales |

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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

| | | | |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55BE-1930-1990 | Release Date: | 19-Feb-2026 |
| Revision Level: | E | Responsible: | C. Vales |

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