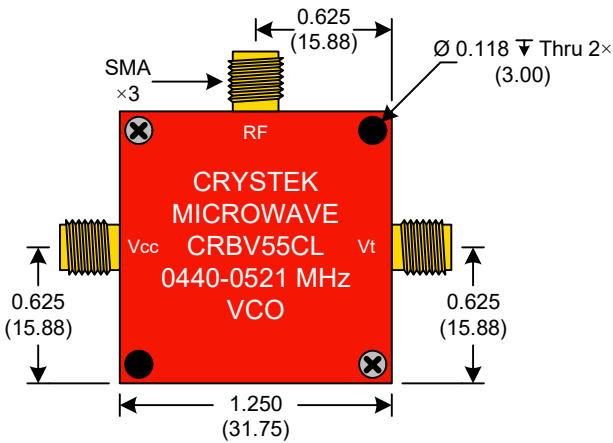




| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|---|------|------|------|--------------------|
| Lower Frequency: | | | 440 | MHz |
| Upper Frequency: | 521 | | | MHz |
| Tuning Voltage: | 0.3 | | 4.7 | VDC |
| Supply Voltage: | 4.75 | 5.0 | 5.25 | VDC |
| Output Power: | -3.0 | 0 | +3.0 | dBm |
| Supply Current: | | 20 | | mA |
| Harmonic Suppression (2 nd Harmonic) | | -15 | | dBc |
| Pushing: | | 1.5 | 3.0 | MHz/V |
| Pulling, all Phases: | | 0.5 | 1.0 | MHz pk-pk |
| Tuning Sensitivity: | | 22 | 28 | MHz/V |
| Phase Noise @ 10kHz offset: | | -113 | | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | | 220 | pF |
| Operating Temperature Range: | -30 | | +75 | $^{\circ}\text{C}$ |
| Storage Temperature Range: | -40 | | +85 | $^{\circ}\text{C}$ |

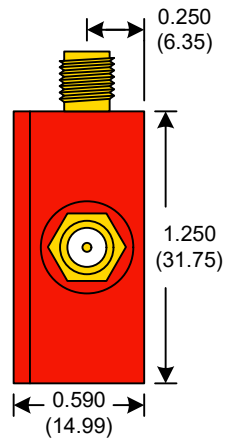
FRONT



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.

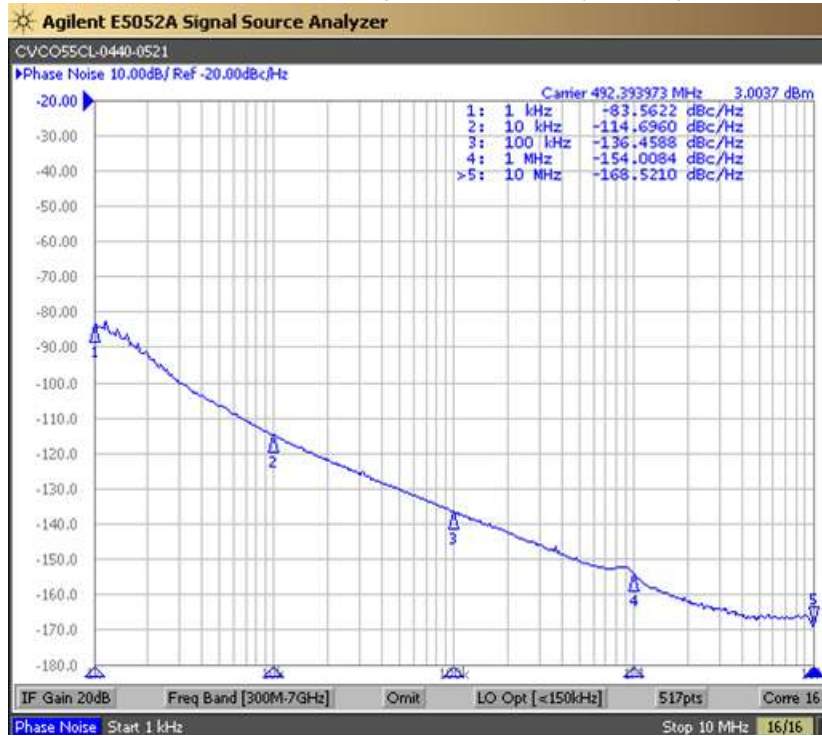
Product Control:

| | | | |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55CL-0440-0521 | Release Date: | 23-Mar-2026 |
| Revision Level: | B | Responsible: | C. Vales |

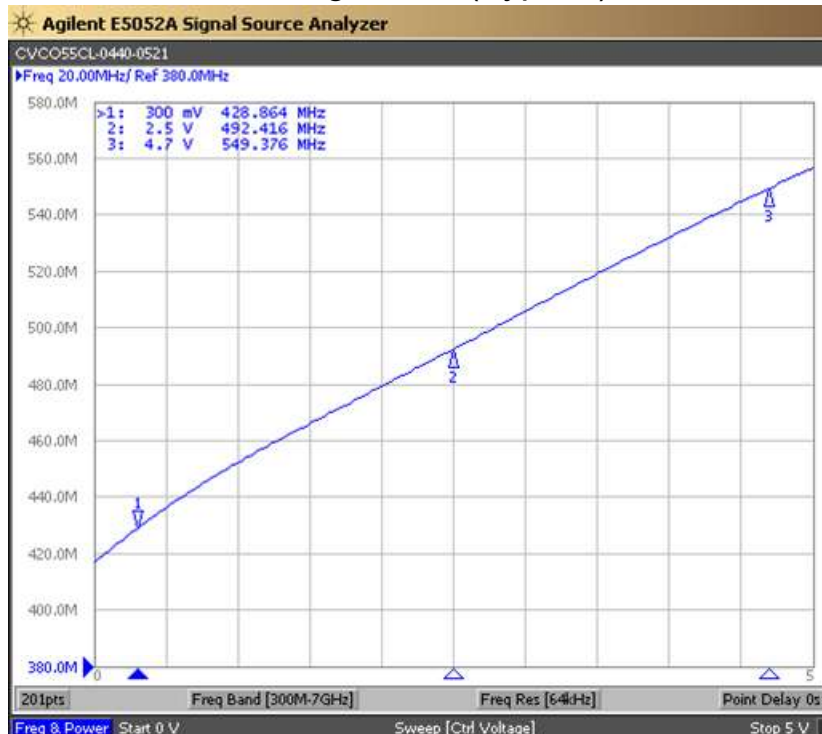




Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

| | | | |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBV55CL-0440-0521 | Release Date: | 23-Mar-2026 |
| Revision Level: | B | Responsible: | C. Vales |

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