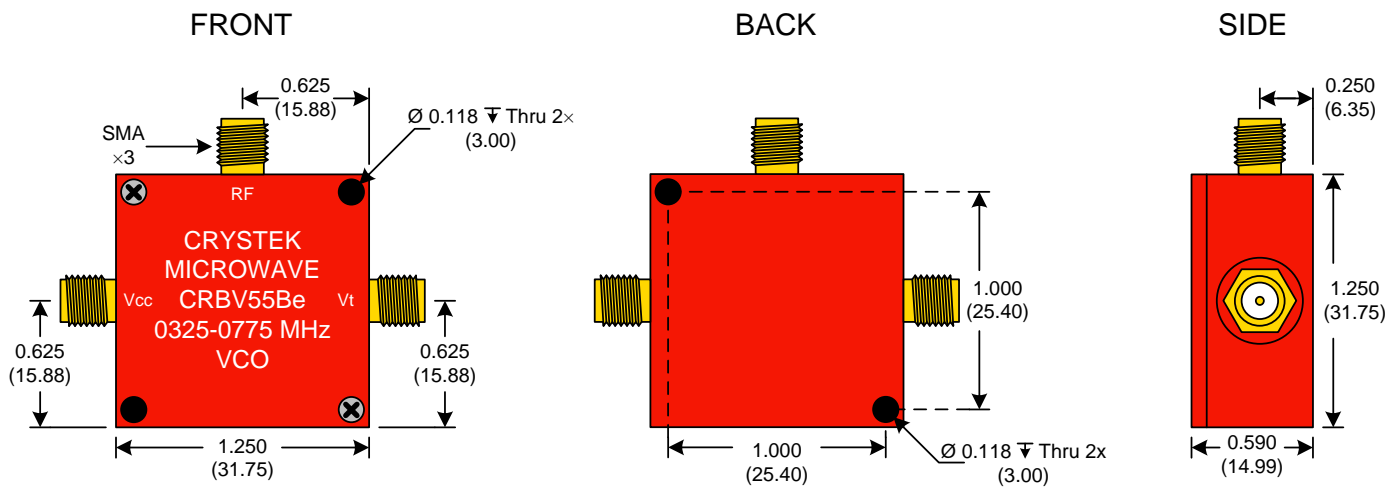




| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|---|-------|------|-------|--------------|
| Lower Frequency: | | | 325 | MHz |
| Upper Frequency: | 775 | | | MHz |
| Tuning Voltage: | 0 | | 12.0 | VDC |
| Supply Voltage: | 11.75 | 12 | 12.25 | VDC |
| Output Power: | 0 | +5.0 | +10.0 | dBm |
| Supply Current: | | 25 | | mA |
| Harmonic Suppression (2 nd Harmonic) | | -10 | -5 | dBc |
| Pushing: | | 0.5 | 1.5 | MHz/V |
| Pulling, all Phases: | | | 5.0 | MHz pk-pk |
| Tuning Sensitivity: | | 45 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -105 | -99 | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -126 | -119 | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | | 330 | pF |
| Operating Temperature Range: | -40 | | +85 | $^{\circ}$ C |
| Storage Temperature Range: | -45 | | +90 | $^{\circ}$ C |



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

Product Control:

| | | | |
|----------------------|--------------------|---------------|-----------|
| Crystek Part Number: | CRBV55BE-0325-0775 | Release Date: | 02-Jul-12 |
| Revision Level: | D | Responsible: | C. Vales |

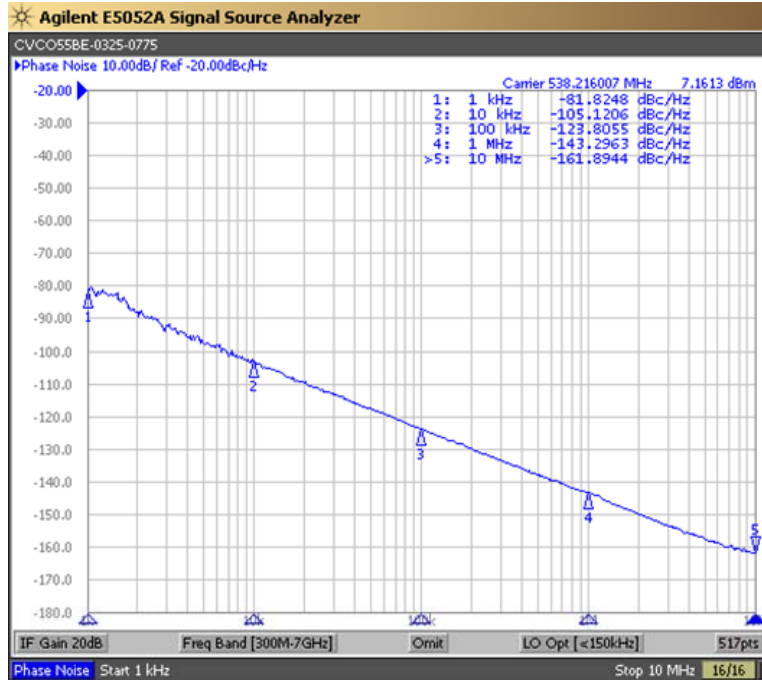




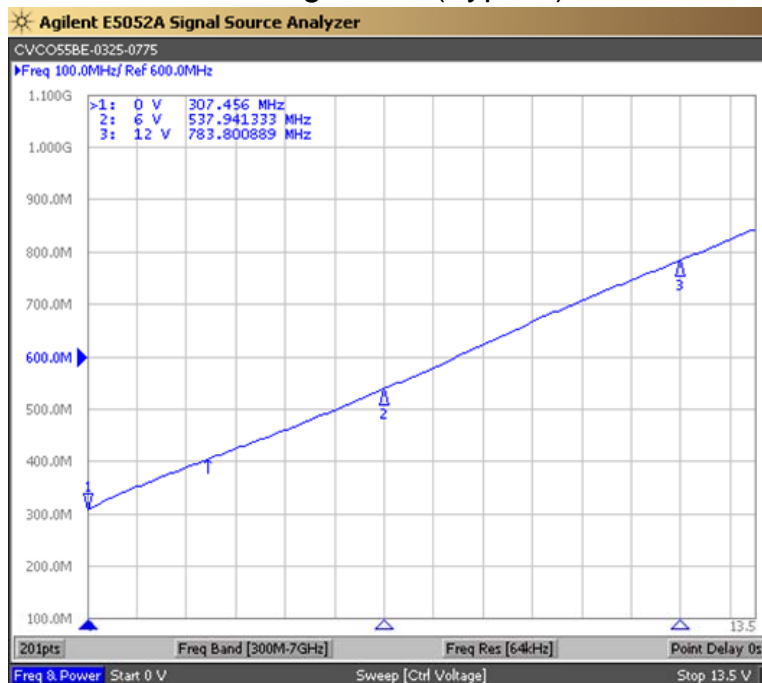
CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55BE-0325-0775

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

| | | | |
|----------------------|--------------------|---------------|-----------|
| Crystek Part Number: | CRBV55BE-0325-0775 | Release Date: | 02-Jul-12 |
| Revision Level: | D | Responsible: | C. Vales |

Specification is subject to change without notice



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