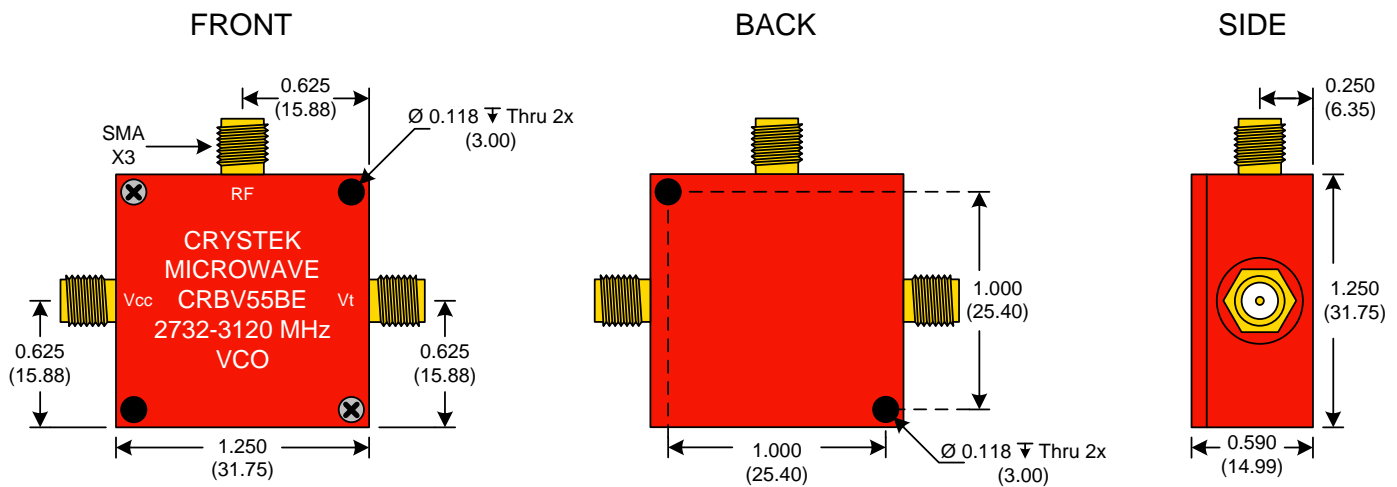


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55BE-2732-3120



| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|---|------|------|------|--------------------|
| Lower Frequency: | | | 2732 | MHz |
| Upper Frequency: | 3120 | | | MHz |
| Tuning Voltage: | 0.5 | | 18.0 | VDC |
| Supply Voltage: | 7.6 | 8.0 | 8.4 | VDC |
| Output Power: | -3.0 | 0 | +3.0 | dBm |
| Supply Current: | | 25 | 35 | mA |
| Harmonic Suppression (2 nd Harmonic) | | -15 | -10 | dBc |
| Pushing: | | 1.0 | 2.0 | MHz/V |
| Pulling, all Phases: | | 3.0 | 6.0 | MHz pk-pk |
| Tuning Sensitivity: | | 30 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -101 | -98 | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -120 | -117 | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | | 22 | pF |
| Operating Temperature Range: | -40 | | +85 | $^{\circ}\text{C}$ |
| Storage Temperature Range: | -45 | | +90 | $^{\circ}\text{C}$ |



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

Product Control:

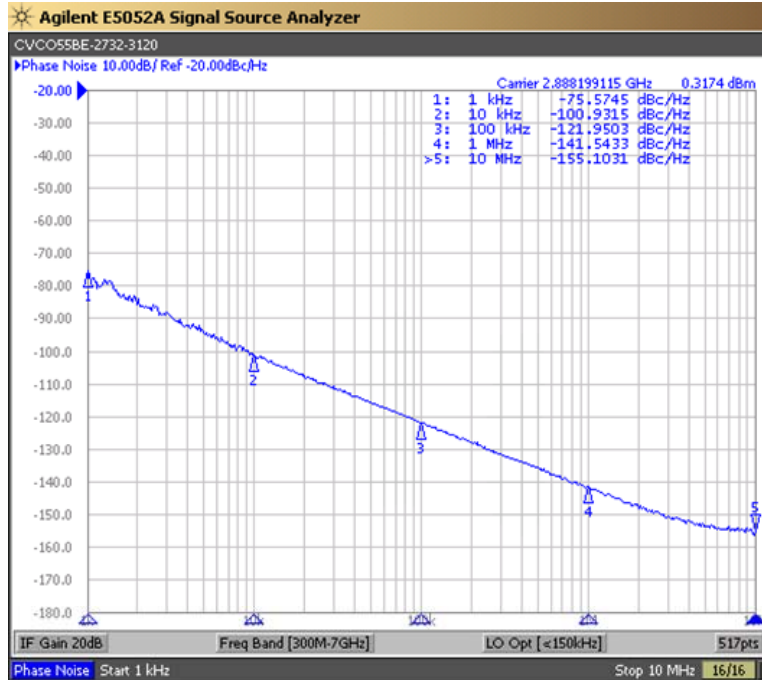
| | | | |
|----------------------|--------------------|---------------|-----------|
| Crystek Part Number: | CRBV55BE-2732-3120 | Release Date: | 12-Jan-09 |
| Revision Level: | C | Responsible: | C. Vales |



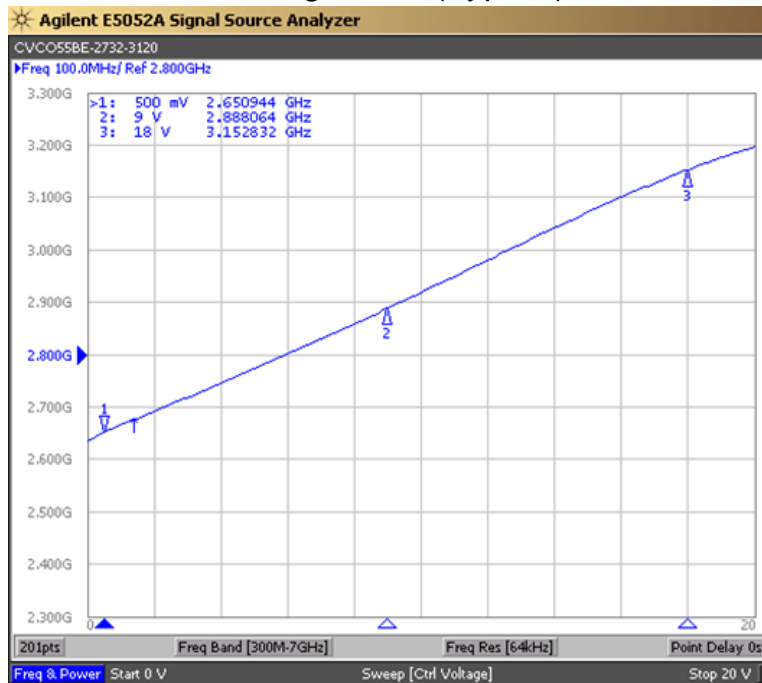
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
 PHONE: 239-561-3311 • 800-237-3061
 FAX: 239-561-1025 • WWW.CRYSTEK.COM



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

| | | | |
|----------------------|--------------------|---------------|-----------|
| Crystek Part Number: | CRBV55BE-2732-3120 | Release Date: | 12-Jan-09 |
| Revision Level: | C | Responsible: | C. Vales |

Specification is subject to change without notice