

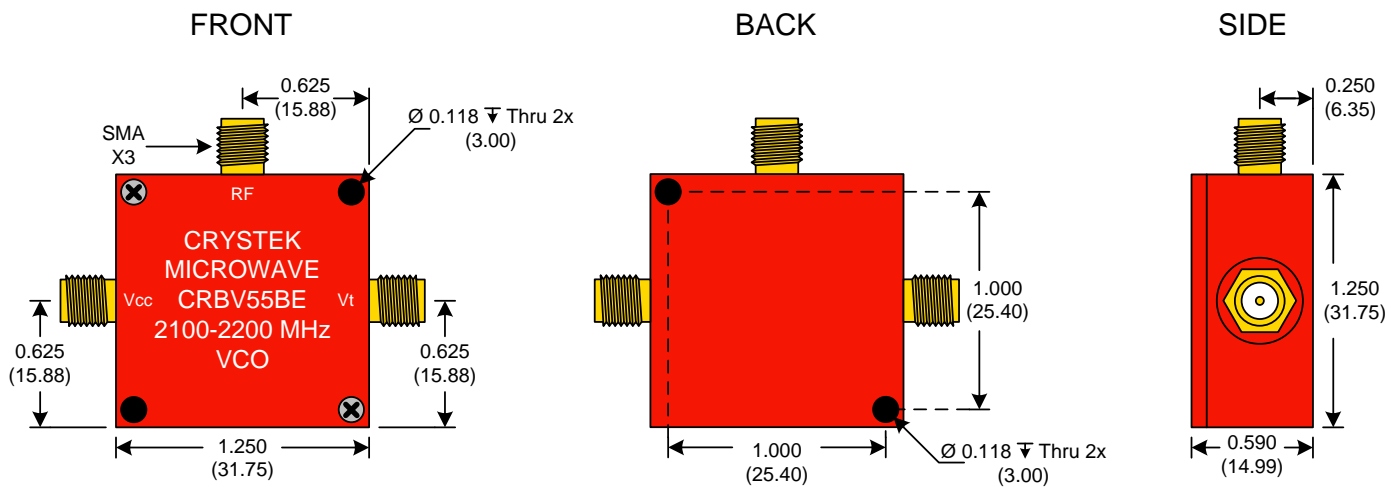


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55BE-2100-2200



| PERFORMANCE SPECIFICATION | MIN | TYP | MAX | UNITS |
|---|------|------|------|--------------------|
| Lower Frequency: | | | 2100 | MHz |
| Upper Frequency: | 2200 | | | MHz |
| Tuning Voltage: | 0.5 | | 4.5 | VDC |
| Supply Voltage: | 4.75 | 5.0 | 5.25 | VDC |
| Output Power: | +2.0 | +4.0 | +6.0 | dBm |
| Supply Current: | | 15 | 30 | mA |
| Harmonic Suppression (2 nd Harmonic) | | -12 | | dBc |
| Pushing: | | 5.0 | | MHz/V |
| Pulling, all Phases: | | 10.0 | | MHz pk-pk |
| Tuning Sensitivity: | | 50 | | MHz/V |
| Phase Noise @ 10kHz offset: | | -98 | | dBc/Hz |
| Phase Noise @ 100kHz offset: | | -120 | | dBc/Hz |
| Load Impedance: | | 50 | | Ω |
| Input Capacitance: | | | 47 | pF |
| Operating Temperature Range: | -30 | | +75 | $^{\circ}\text{C}$ |
| 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-2100-2200 | Release Date: | 08-Jan-09 |
| Revision Level: | C | Responsible: | C. Vales |

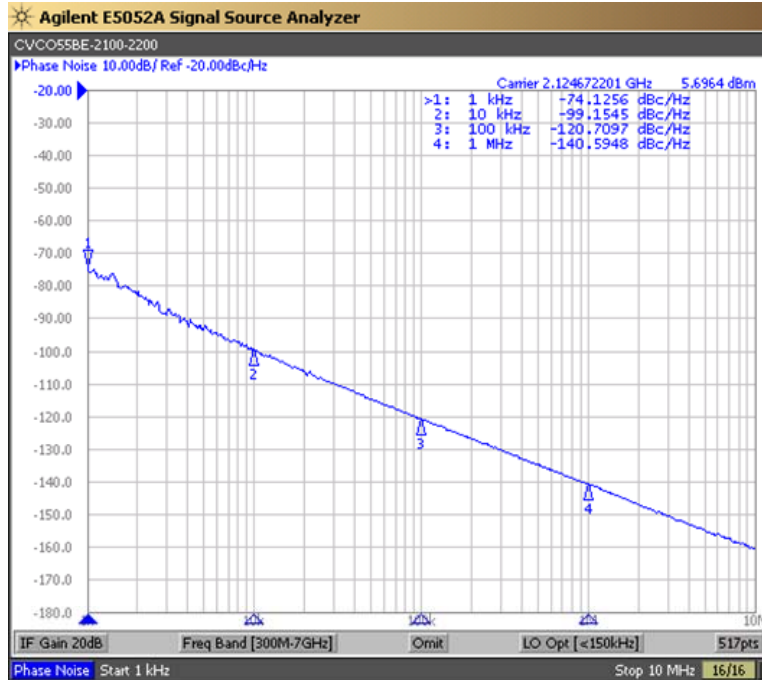


CRYSTEK
 CORPORATION

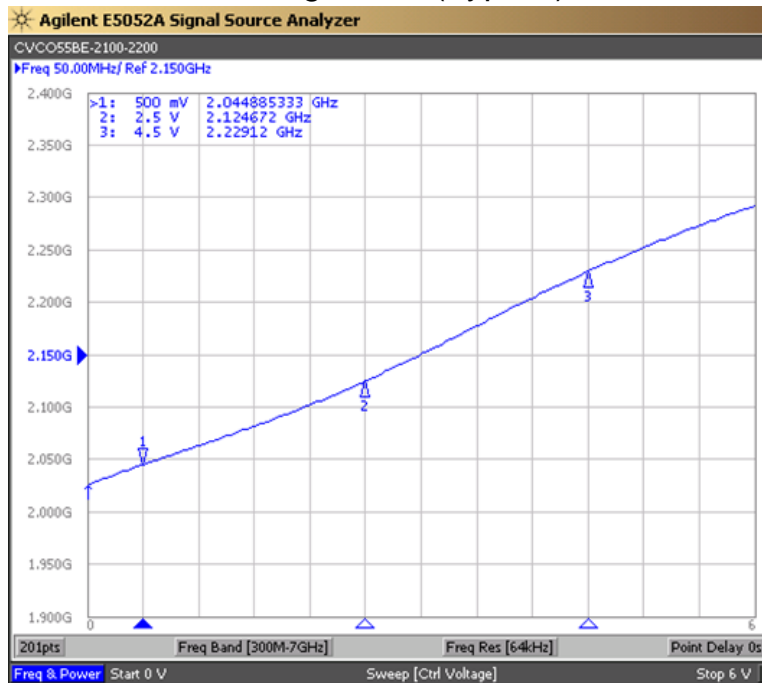
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
 PHONE: 239-561-3311 • 800-237-3061
 FAX: 239-561-1025 • WWW.CRYSTEK.COM



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

| | | | |
|----------------------|--------------------|---------------|-----------|
| Crystek Part Number: | CRBV55BE-2100-2200 | Release Date: | 08-Jan-09 |
| Revision Level: | C | Responsible: | C. Vales |

Specification is subject to change without notice

