

查询"CRBV55BE-2100-2200"供应商

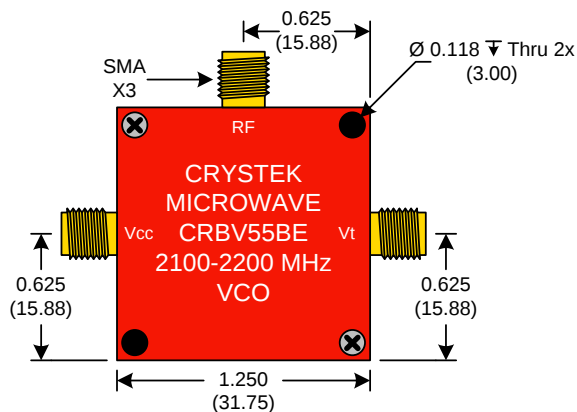
**CRYSTEK**  
**MICROWAVE**  
A DIVISION OF CRYSTEK CORPORATION

**RedBox** VCO  
CRBV55BE-2100-2200

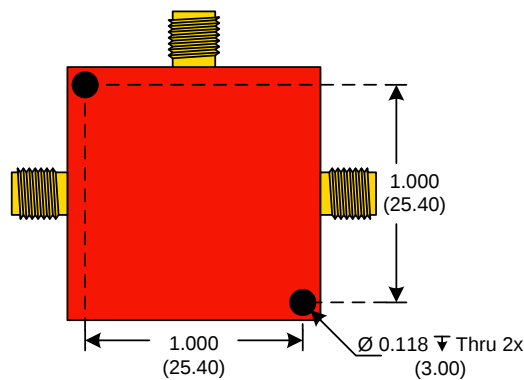


| PERFORMANCE SPECIFICATION                       | MIN  | TYP  | MAX  | UNITS              |
|-------------------------------------------------|------|------|------|--------------------|
| Lower Frequency:                                |      |      | 2100 | MHz                |
| Upper Frequency:                                | 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 <sup>nd</sup> 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   |      | $\Omega$           |
| Input Capacitance:                              |      |      | 47   | pF                 |
| Operating Temperature Range:                    | -30  |      | +75  | $^{\circ}\text{C}$ |
| Storage Temperature Range:                      | -45  |      | +90  | $^{\circ}\text{C}$ |

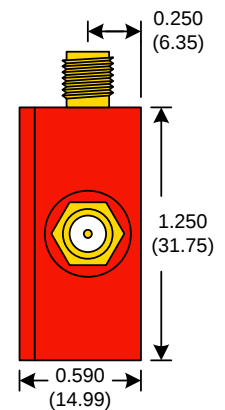
FRONT



BACK



SIDE



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

**Product Control:**

|                      |                    |               |           |
|----------------------|--------------------|---------------|-----------|
| Crystek Part Number: | CRBV55BE-2100-2200 | Release Date: | 12-Dec-07 |
| Revision Level:      | B                  | Responsible:  | C. Vales  |

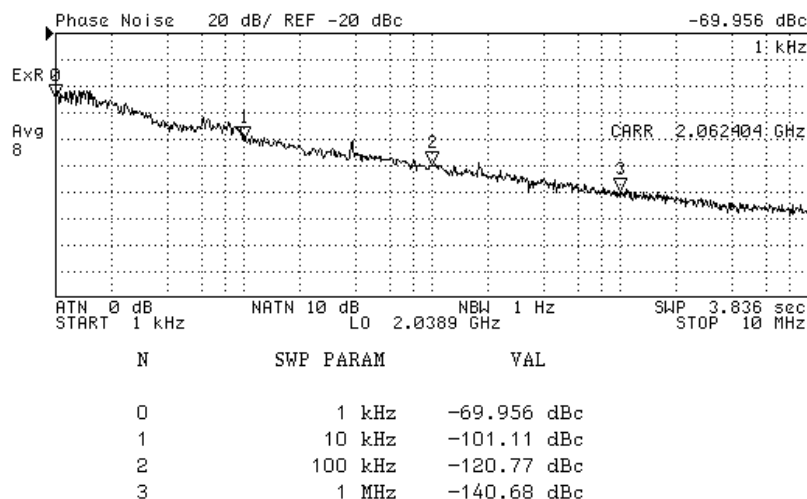
Page 1 of 2



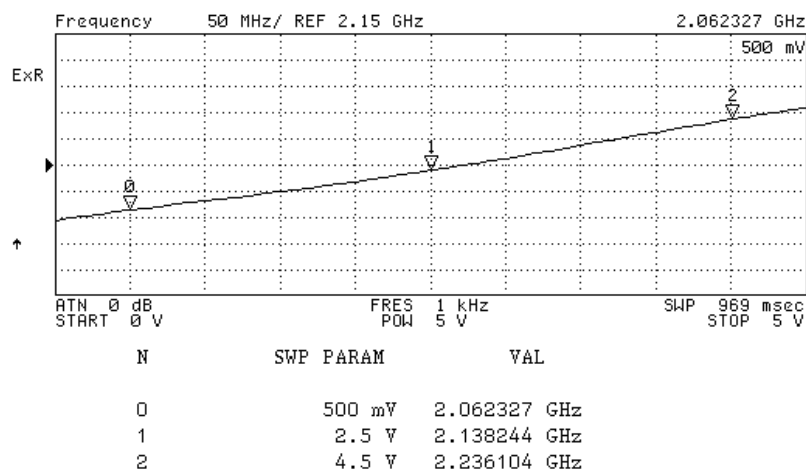
**CRYSTEK**  
CORPORATION

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: | 12-Dec-07 |
| Revision Level:      | B                  | Responsible:  | C. Vales  |

Specification is subject to change without notice