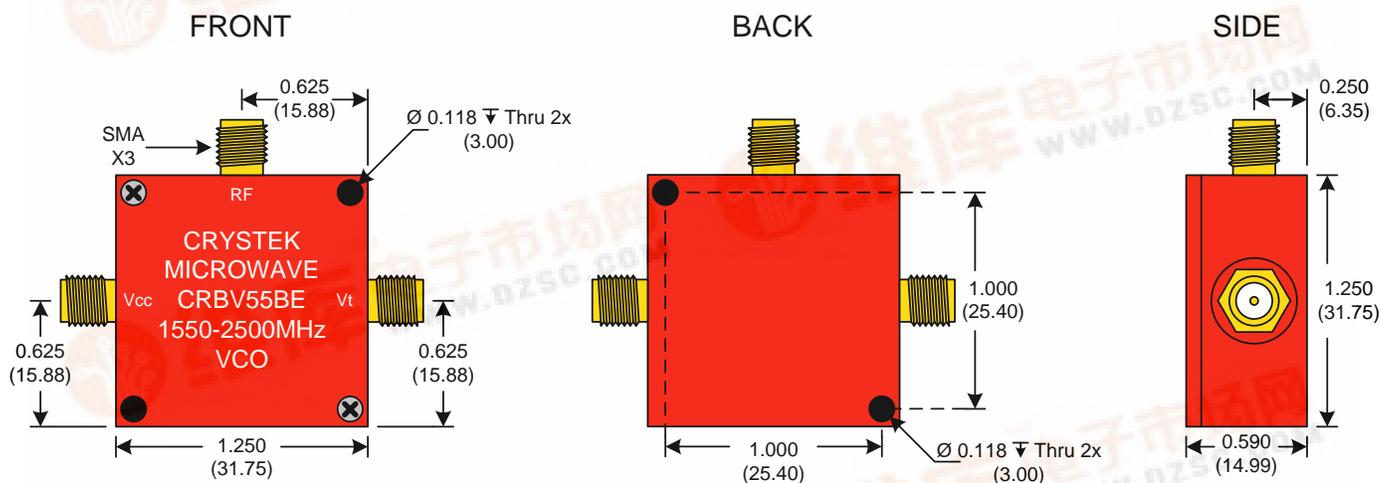




| PERFORMANCE SPECIFICATION                       | MIN  | TYP  | MAX   | UNITS              |
|---|------|------|-------|--------------------|
| Lower Frequency:                                |      |      | 1550  | MHz                |
| Upper Frequency:                                | 2500 |      |       | MHz                |
| Tuning Voltage:                                 | 0.5  |      | 9.5   | VDC                |
| Supply Voltage:                                 | 9.75 | 10.0 | 10.25 | VDC                |
| Output Power:                                   | +3.0 | +6.0 | +9.0  | dBm                |
| Supply Current:                                 |      | 13   |       | mA                 |
| Harmonic Suppression (2 <sup>nd</sup> Harmonic) |      | -7   |       | dBc                |
| Pushing:  |      |      | 5.0   | MHz/V              |
| Pulling, all Phases:                            |      |      | 23.0  | MHz pk-pk          |
| Tuning Sensitivity:                             |      | 115  |       | MHz/V              |
| Phase Noise @ 10kHz offset:                     |      | -95  |       | dBc/Hz             |
| Phase Noise @ 100kHz offset:                    |      | -119 |       | dBc/Hz             |
| Load Impedance:                                 |      | 50   |       | $\Omega$           |
| Input Capacitance:                              |      |      | 50    | pF                 |
| Operating Temperature Range:                    | -40  |      | +85   | $^{\circ}\text{C}$ |
| Storage Temperature Range:                      | -45  |      | +90   | $^{\circ}\text{C}$ |



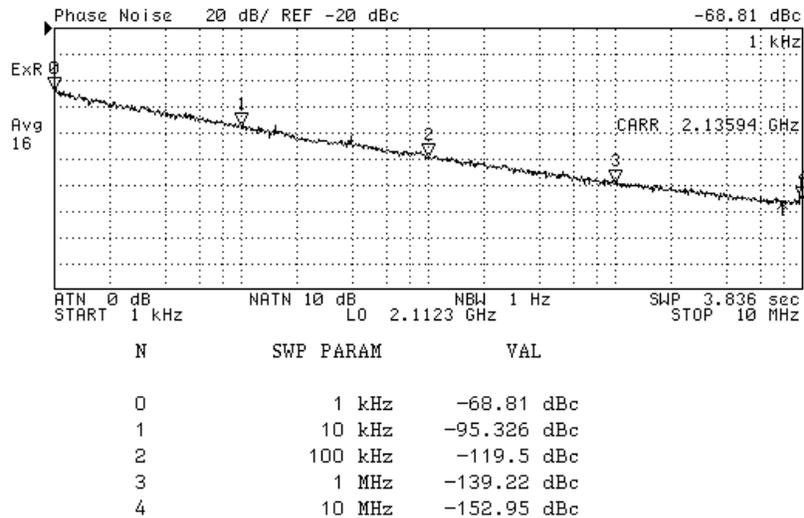
● Unless otherwise specified, Dimensions are in:  $\frac{\text{IN}}{\text{mm}}$

**Product Control:**

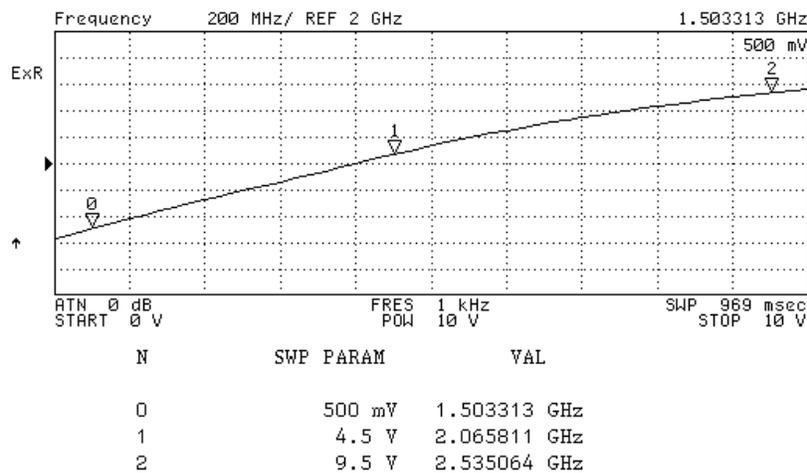
|                      |                    |               |           |
|----------------------|--------------------|---------------|-----------|
| Crystek Part Number: | CRBV55BE-1550-2500 | Release Date: | 17-Dec-07 |
| Revision Level:      | A                  | Responsible:  | C. Vales  |



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

|                      |                    |               |           |
|----------------------|--------------------|---------------|-----------|
| Crystek Part Number: | CRBV55BE-1550-2500 | Release Date: | 17-Dec-07 |
| Revision Level:      | A                  | Responsible:  | C. Vales  |

Specification is subject to change without notice