

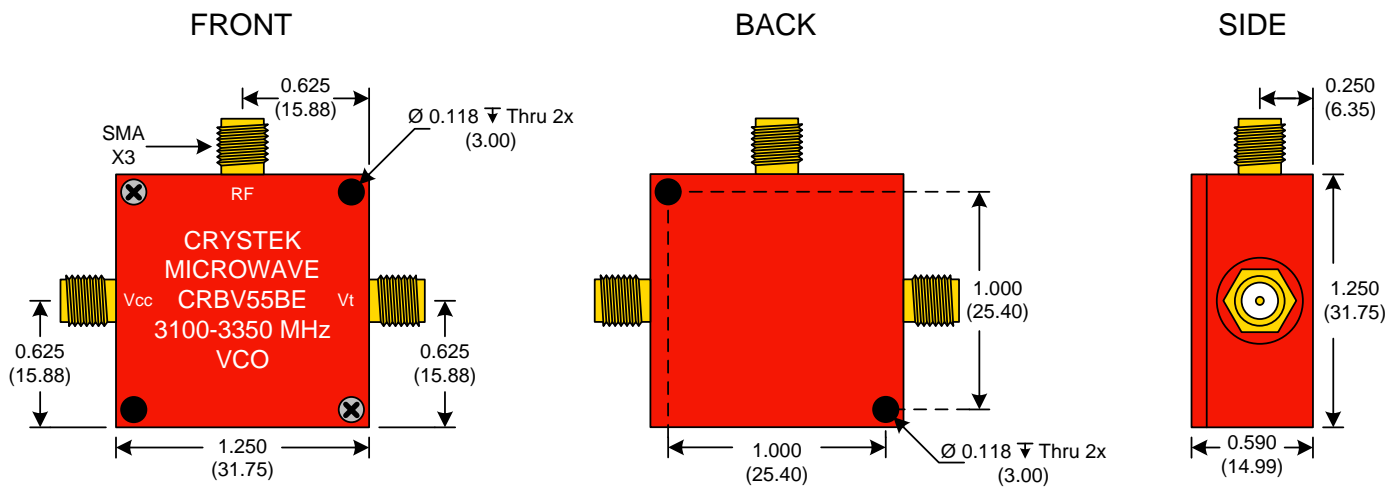


**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

**RedBox VCO**  
**CRBV55BE-3100-3350**



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			3100	MHz
Upper Frequency:	3350			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	0	+4.0	+8.0	dBm
Supply Current:		25	40	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic)		-30	-22	dBc
Pushing:		3.0	6.0	MHz/V
Pulling, all Phases:		6.0	8.0	MHz pk-pk
Tuning Sensitivity:		57		MHz/V
Phase Noise @ 10kHz offset:		-98	-95	dBc/Hz
Phase Noise @ 100kHz offset:		-120	-117	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-3100-3350	Release Date:	27-Jan-09
Revision Level:	C	Responsible:	C. Vales

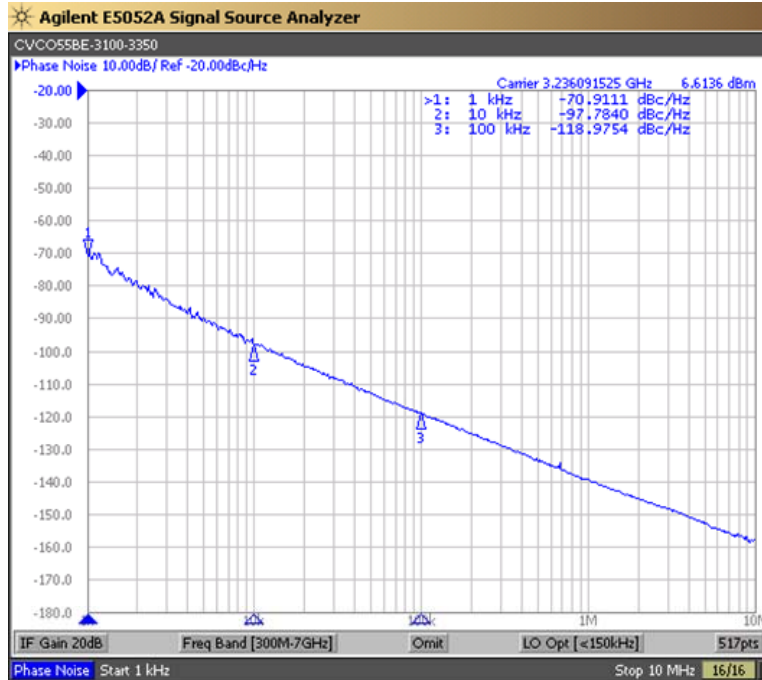


**CRYSTEK**  
 CORPORATION

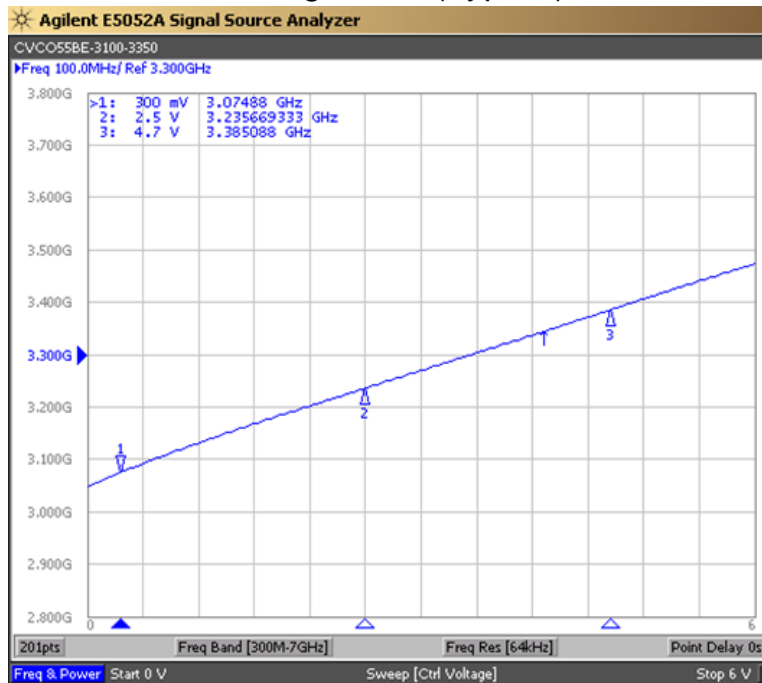
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913  
 PHONE: 239-561-3311 • 800-237-3061  
 FAX: 239-561-1025 • WWW.CRYSTEK.COM



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

Crystek Part Number:	CRBV55BE-3100-3350	Release Date:	27-Jan-09
Revision Level:	C	Responsible:	C. Vales

Specification is subject to change without notice

