

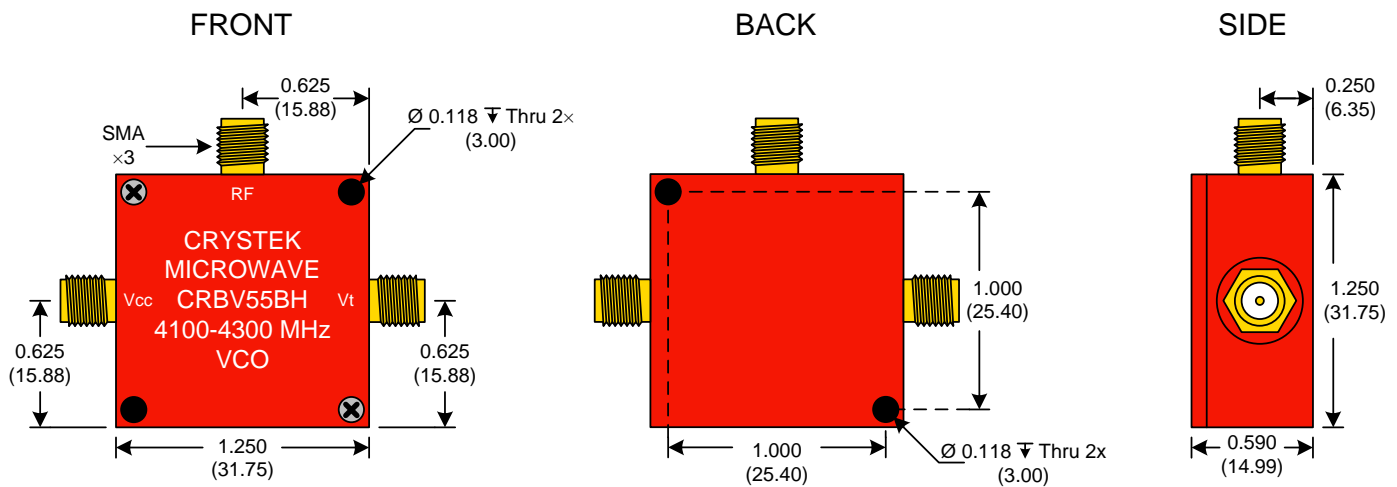


**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

**RedBox VCO**  
**CRBV55BH-4100-4300**



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			4100	MHz
Upper Frequency:	4300			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	0	+2.0	+4.0	dBm
Supply Current:		15		mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic):		-15		dBc
Pushing:			6.0	MHz/V
Pulling, all Phases:			8.0	MHz pk-pk
Tuning Sensitivity:		100		MHz/V
Phase Noise @ 10kHz offset:		-84	-80	dBc/Hz
Phase Noise @ 100kHz offset:		-113		dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			10	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:	CRBV55BH-4100-4300	Release Date:	16-Oct-08
Revision Level:	A	Responsible:	C. Vales

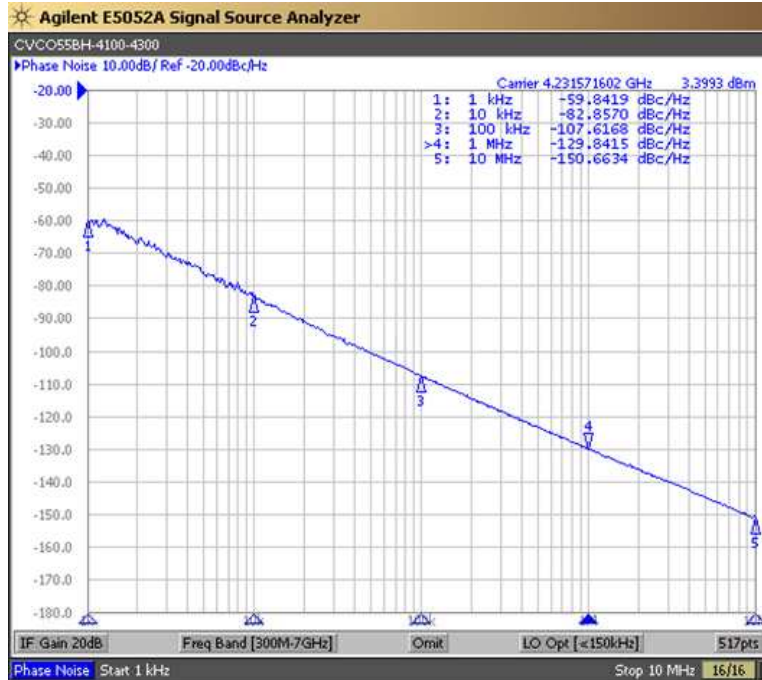


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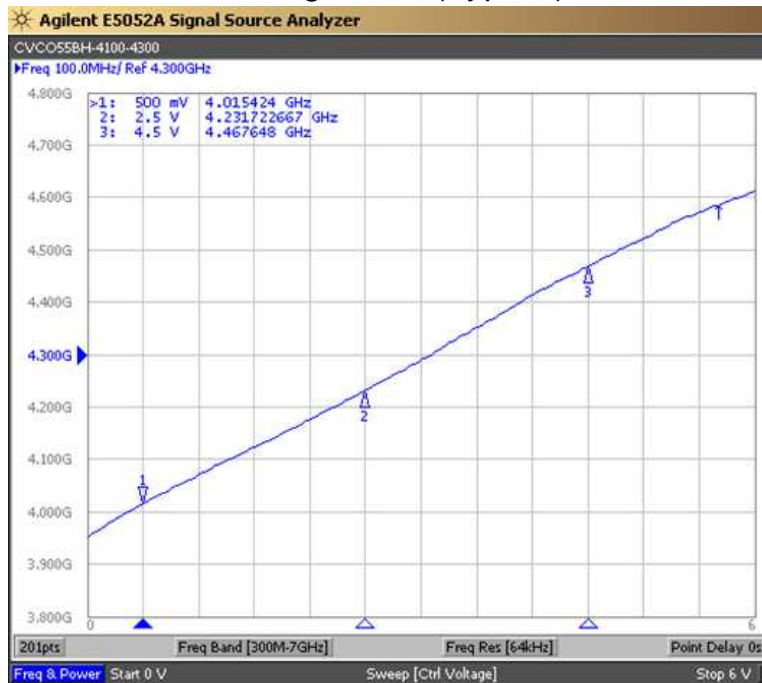
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

