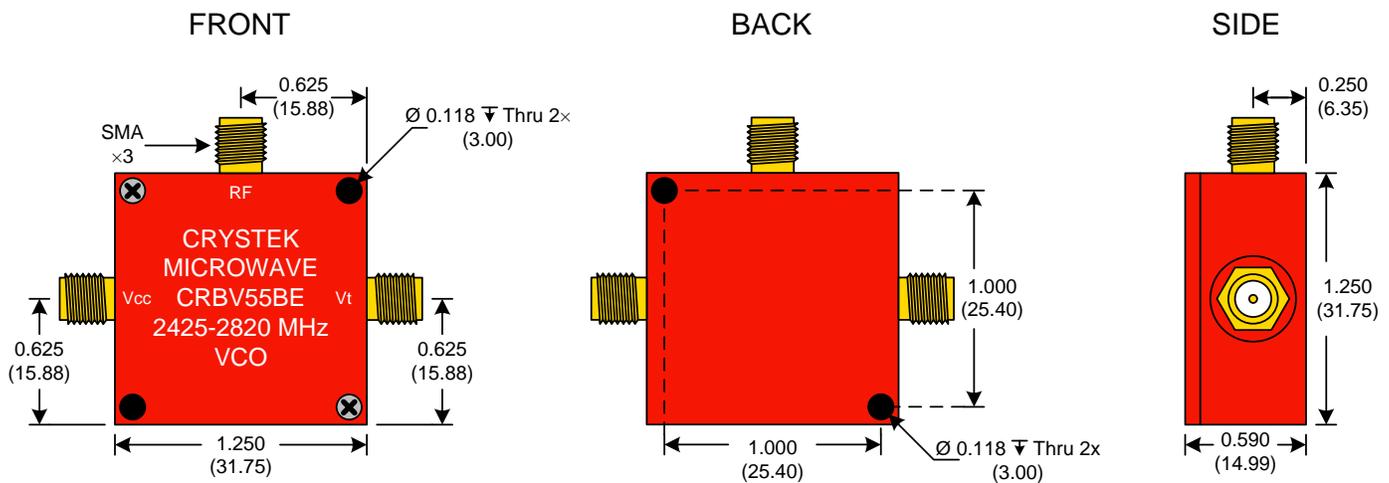




PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2425	MHz
Upper Frequency:	2820			MHz
Tuning Voltage:	0.5		18.0	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	-2.5	0	+2.5	dBm
Supply Current:			35	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic)			-10	dBc
Pushing:		0.3	1.0	MHz/V
Pulling, all Phases:		0.5	1.0	MHz pk-pk
Tuning Sensitivity:		35		MHz/V
Phase Noise @ 10kHz offset:		-100		dBc/Hz
Phase Noise @ 100kHz offset:		-120		dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			30	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-2425-2820	Release Date:	02-Apr-2014
Revision Level:	D	Responsible:	C. Vales

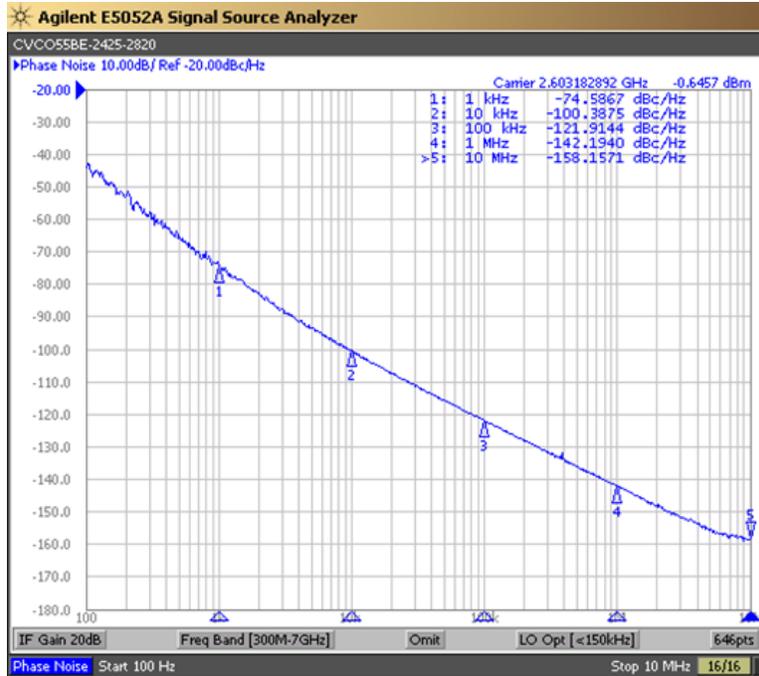




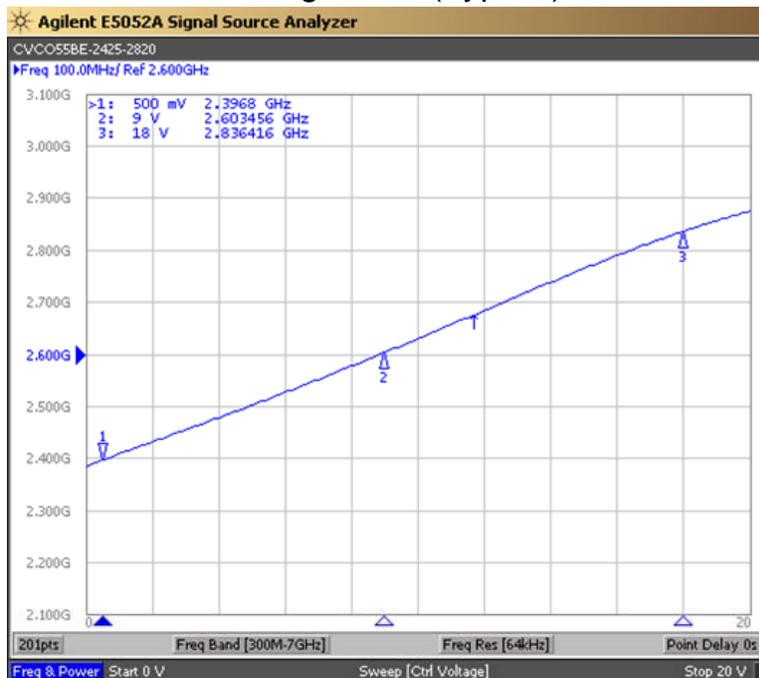
**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

**RedBox** VCO  
 CRBV55BE-2425-2820

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

Crystek Part Number:	CRBV55BE-2425-2820	Release Date:	02-Apr-2014
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice



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