

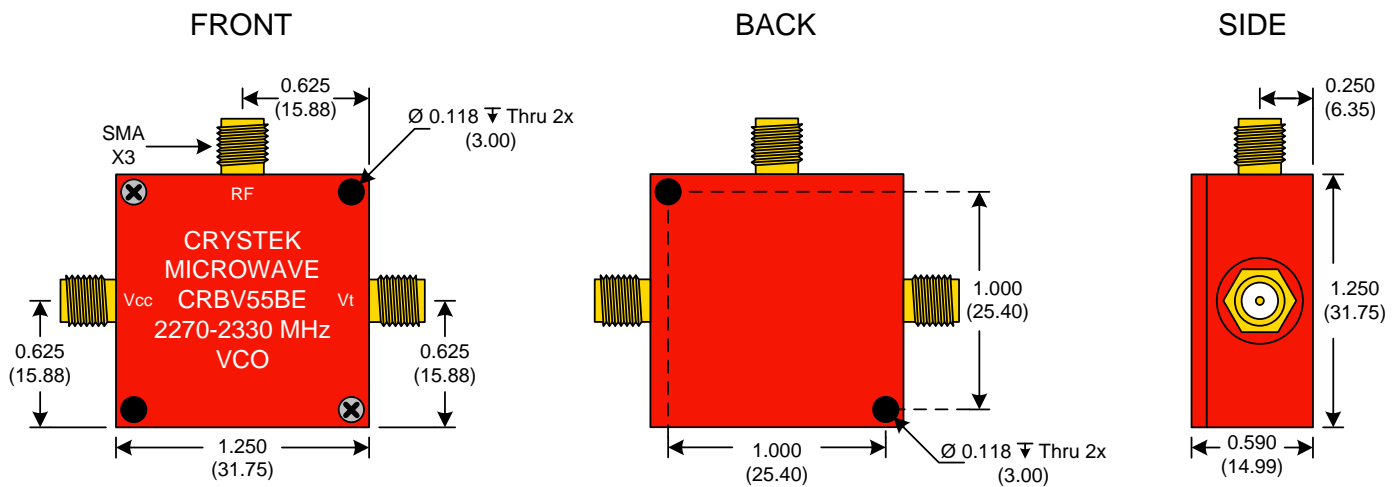


**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

**RedBox VCO**  
**CRBV55BE-2270-2330**



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2270	MHz
Upper Frequency:	2330			MHz
Tuning Voltage:	1.0		5.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+3.0	+5.0	+7.0	dBm
Supply Current:			35	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic)		-12		dBc
Pushing:		10.0		MHz/V
Pulling, all Phases:		5.0		MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-103	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-127	-123	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:**

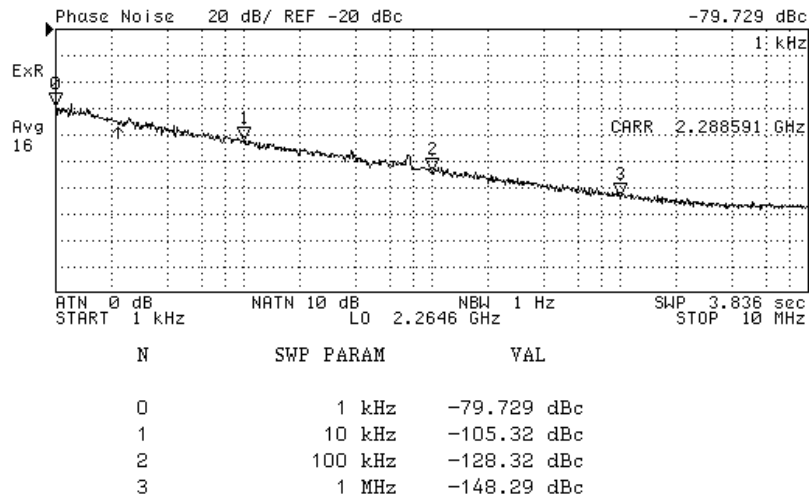
Crystek Part Number:	CRBV55BE-2270-2330	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales



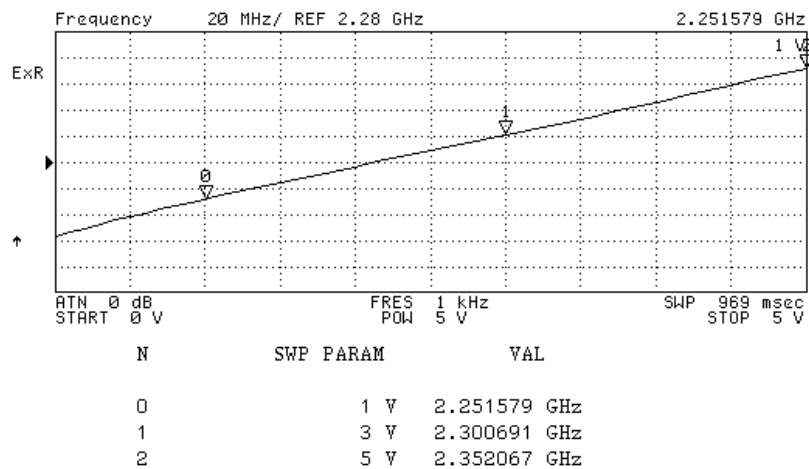
**CRYSTEK**  
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

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Specification is subject to change without notice