

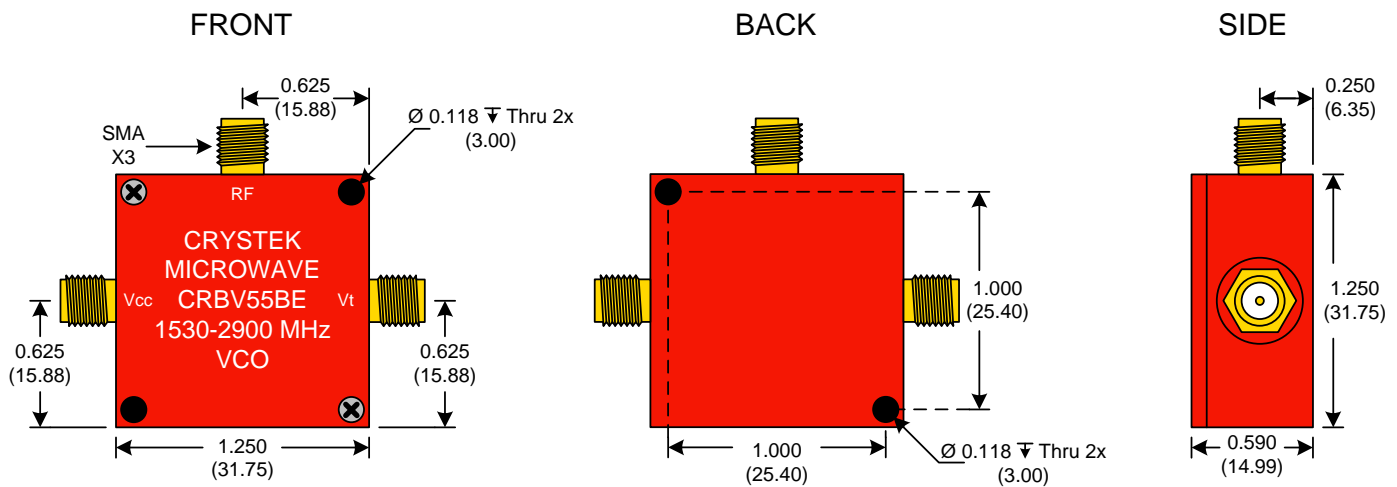


**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

**RedBox VCO**  
**CRBV55BE-1530-2900**



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1530	MHz
Upper Frequency:	2900			MHz
Tuning Voltage:	0.5		20.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+5.0	+6.5	+8.0	dBm
Supply Current:		15	30	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic)		-10	-5	dBc
Pushing:		3.0	6.0	MHz/V
Pulling, all Phases:		10	15	MHz pk-pk
Tuning Sensitivity:		100		MHz/V
Phase Noise @ 10kHz offset:		-87	-82	dBc/Hz
Phase Noise @ 100kHz offset:		-112	-108	dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			50	pF
Operating Temperature Range:	-30		+75	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



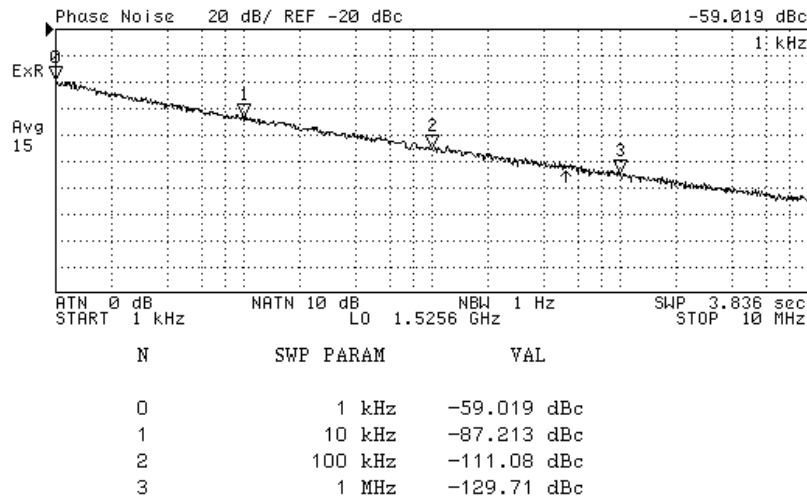
● Unless otherwise specified, Dimensions are in:  $\frac{\text{IN}}{\text{(mm)}}$

**Product Control:**

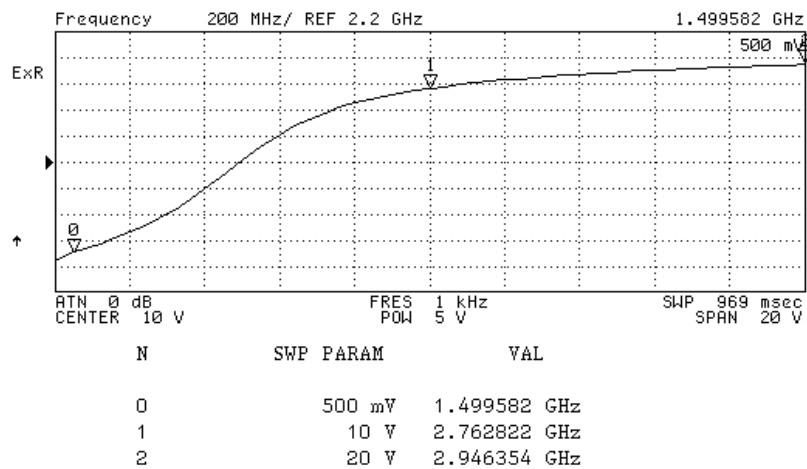
Crystek Part Number:	CRBV55BE-1530-2900	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

Crystek Part Number:	CRBV55BE-1530-2900	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice