

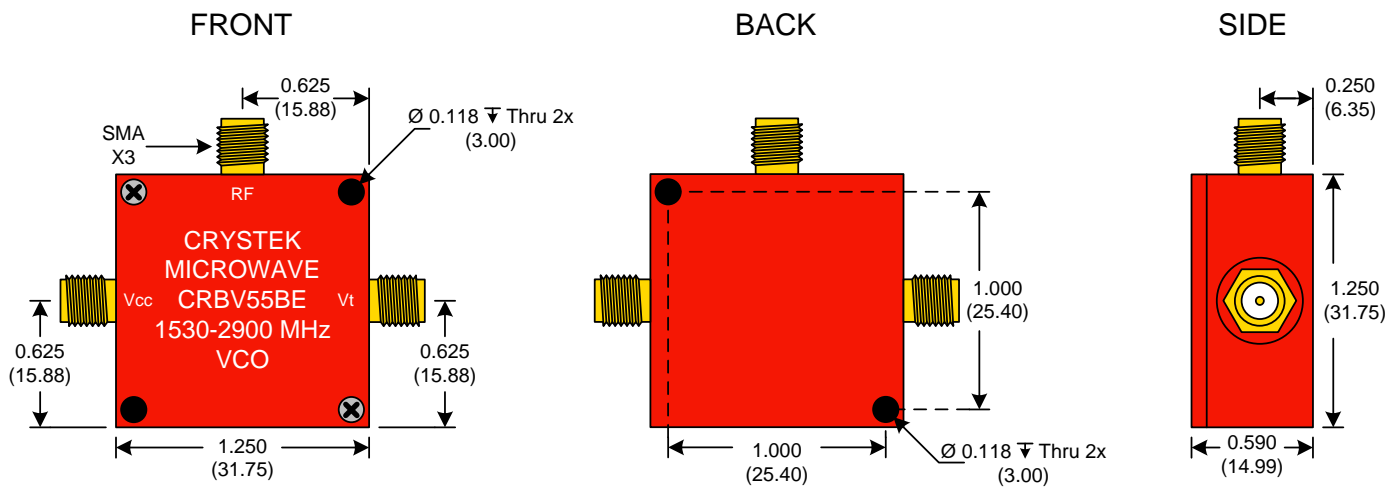


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

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 nd 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:		-110	-106	dBc/Hz
Load Impedance:		50		Ω
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:

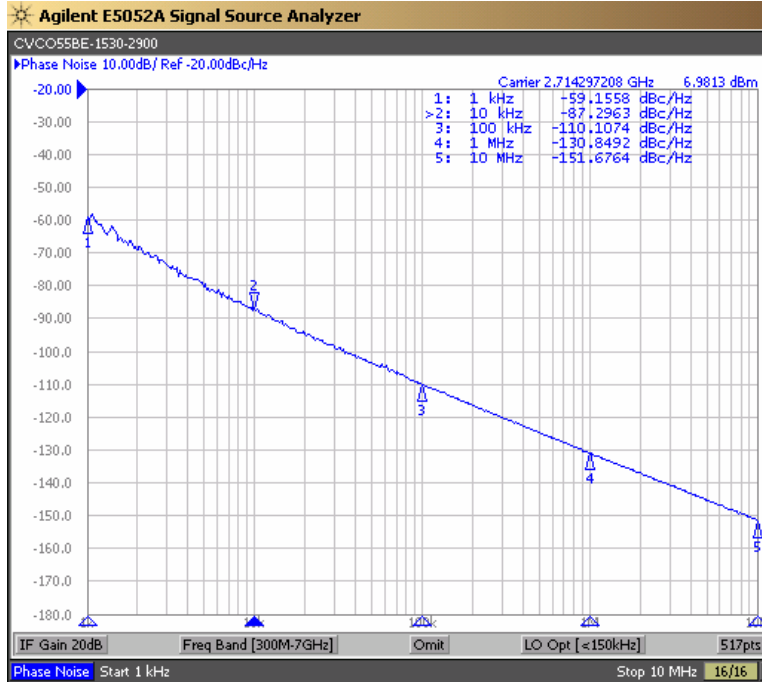
Crystek Part Number:	CRBV55BE-1530-2900	Release Date:	11-Feb-09
Revision Level:	C	Responsible:	C. Vales



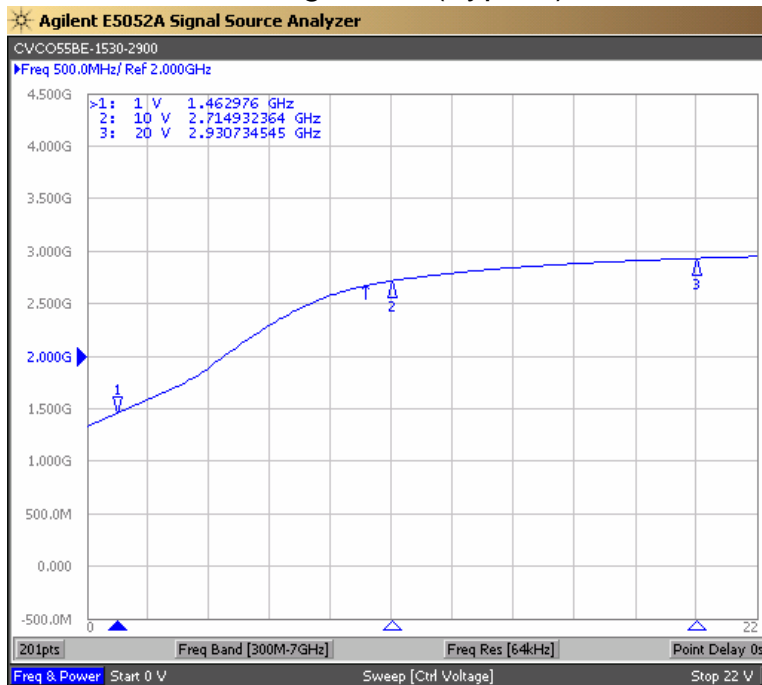
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

