



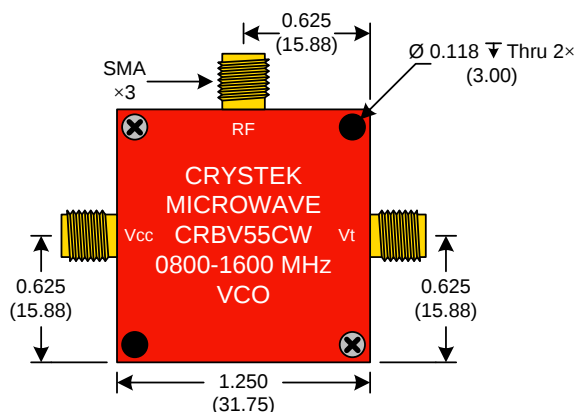
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CW-0800-1600



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			800	MHz
Upper Frequency:	1600			MHz
Tuning Voltage:	0.5		19.0	VDC
Supply Voltage:	11.0	11.5	12.0	VDC
Output Power:	+4.0	+6.0	+8.0	dBm
Supply Current:		15	30	mA
Harmonic Suppression (2 nd Harmonic):		-10		dBc
Pushing:			2.0	MHz/V
Pulling, all Phases:			10.0	MHz pk-pk
Tuning Sensitivity:		60		MHz/V
Phase Noise @ 10kHz offset:		-100		dBc/Hz
Phase Noise @ 100kHz offset:		-122		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			47	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

FRONT



BACK



SIDE



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

Product Control:

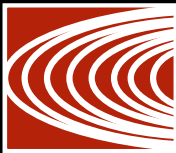
Crystek Part Number:	CRBV55CW-0800-1600	Release Date:	05-Jan-09
Revision Level:	A	Responsible:	C. Vales

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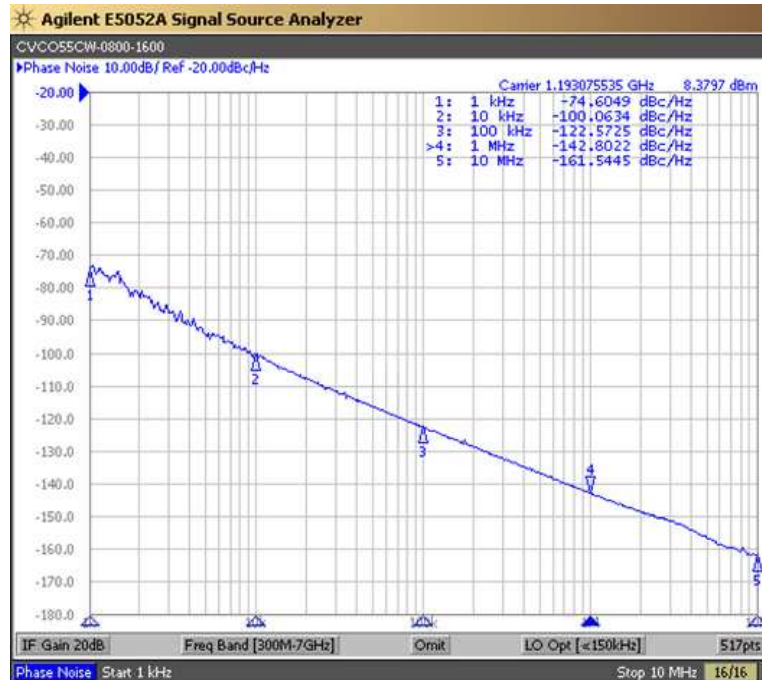
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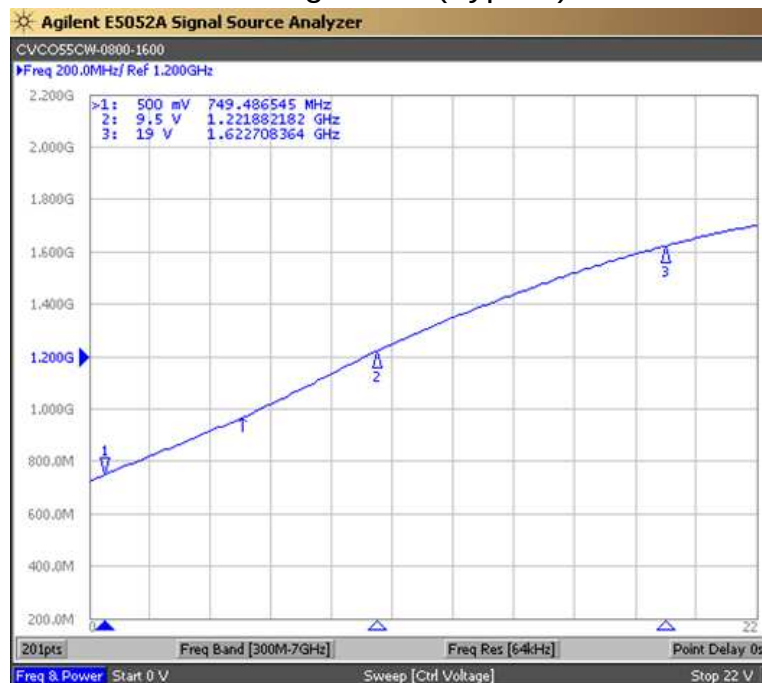
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RedBox VCO
CRBV55CW-0800-1600

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

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Specification is subject to change without notice

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