



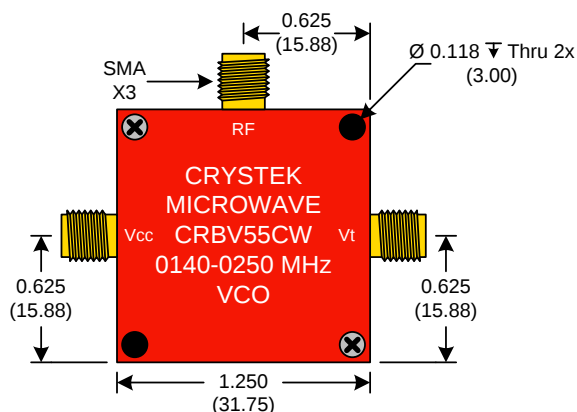
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CW-0140-0250



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			140	MHz
Upper Frequency:	250			MHz
Tuning Voltage:	0.5		10.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	0	+3.0	+6.0	dBm
Supply Current:		15		mA
Harmonic Suppression (2 nd Harmonic)		-14		dBc
Pushing:		0.5	1.5	MHz/V
Pulling, all Phases:		1.0	2.0	MHz pk-pk
Tuning Sensitivity:		13		MHz/V
Phase Noise @ 10kHz offset:		-106		dBc/Hz
Phase Noise @ 100kHz offset:		-127		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	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-0140-0250	Release Date:	10-Feb-09
Revision Level:	B	Responsible:	C. Vales

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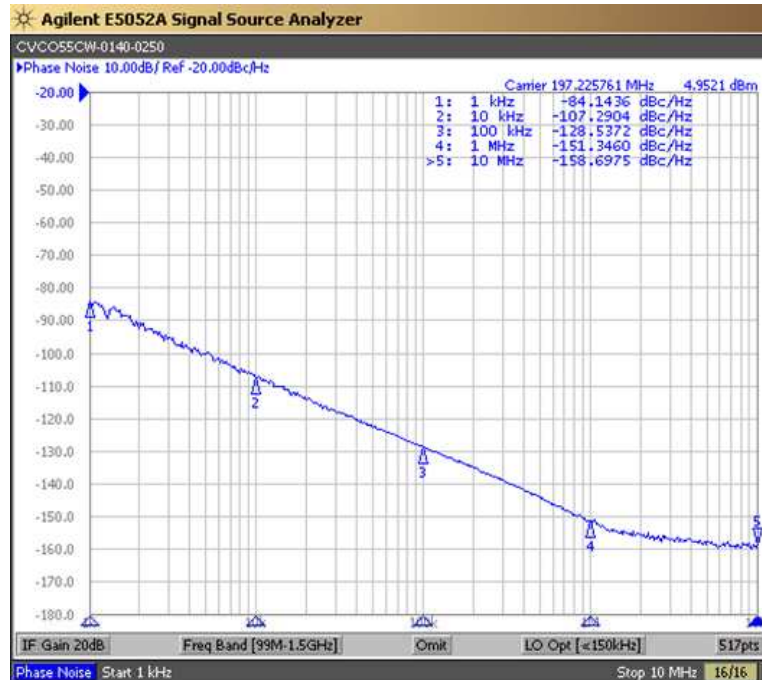


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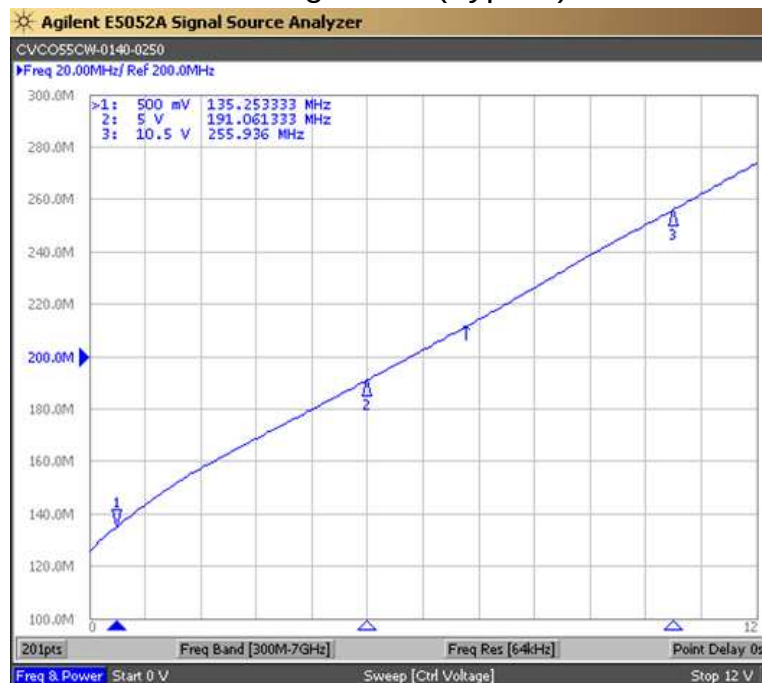
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

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Specification is subject to change without notice

