



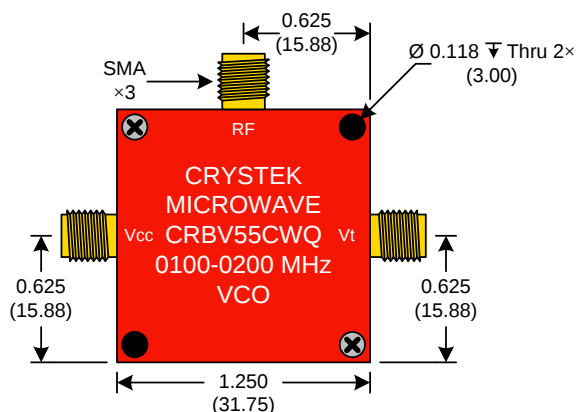
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CWQ-0100-0200



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			100	MHz
Upper Frequency:	200			MHz
Tuning Voltage:	1.0		12.5	VDC
Supply Voltage:	11.75	12.0	12.25	VDC
Output Power:	+11.0	+14.0	+17.0	dBm
Supply Current:		27		mA
Harmonic Suppression (2 nd Harmonic)		-15		dBc
Pushing:		0.2		MHz/V
Pulling, all Phases:		3.0		MHz pk-pk
Tuning Sensitivity:		10		MHz/V
Phase Noise @ 10kHz offset:		-102		dBc/Hz
Phase Noise @ 100kHz offset:		-118		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			50	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:	CRBV55CWQ-0100-0200	Release Date:	08-Aug-11
Revision Level:	A	Responsible:	C. Vales

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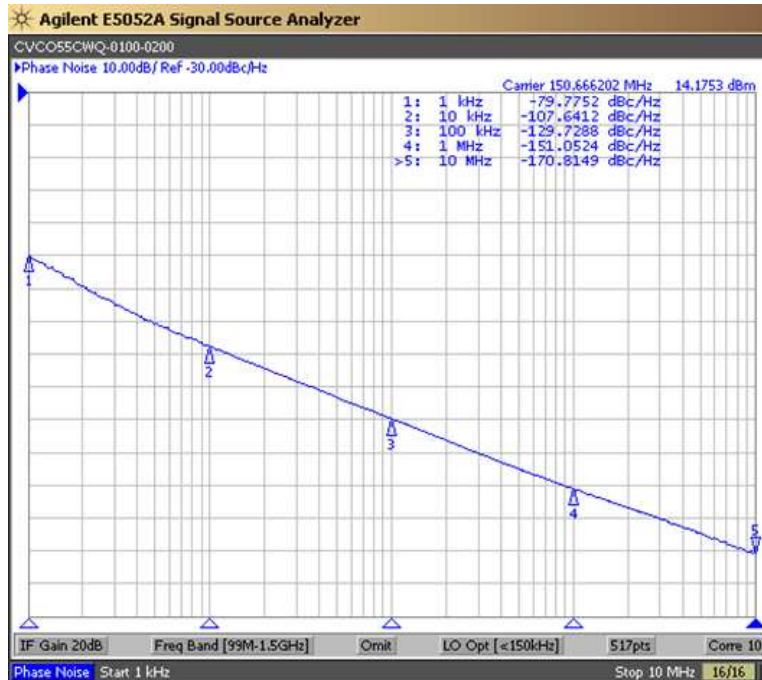
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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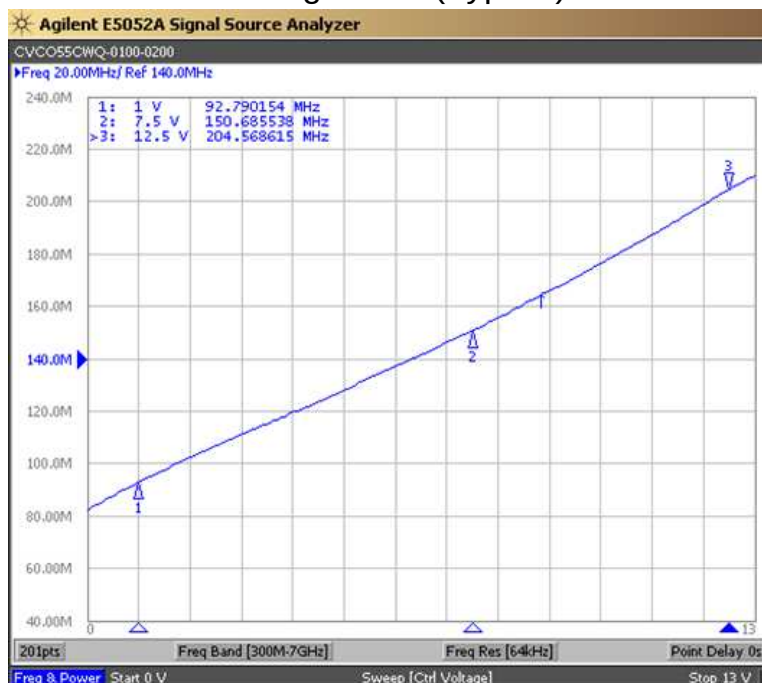
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RedBox VCO
CRBV55CWQ-0100-0200

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55CWQ-0100-0200	Release Date:	18-Nov-11
Revision Level:	A	Responsible:	C. Vales

Specification is subject to change without notice

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