



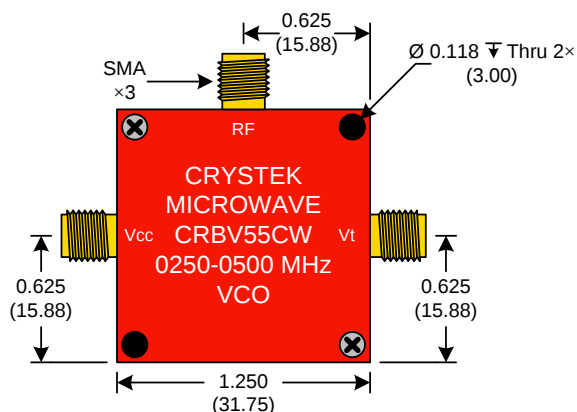
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CW-0250-0500



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			250	MHz
Upper Frequency:	500			MHz
Tuning Voltage:	0.5		19	VDC
Supply Voltage:	14.25	15.0	15.75	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		10	15	mA
Harmonic Suppression (2 nd Harmonic):		-8		dBc
Pushing:		1.5	3.0	MHz/V
Pulling, all Phases:		3.0	6.0	MHz pk-pk
Tuning Sensitivity:		75		MHz/V
Phase Noise @ 10kHz offset:		-101	-97	dBc/Hz
Phase Noise @ 100kHz offset:		-122	-118	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:

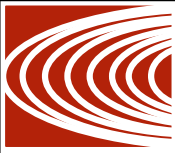
Crystek Part Number:	CRBV55CW-0250-0500	Release Date:	19-Dec-08
Revision Level:	A	Responsible:	C. Vales

Page 1 of 2

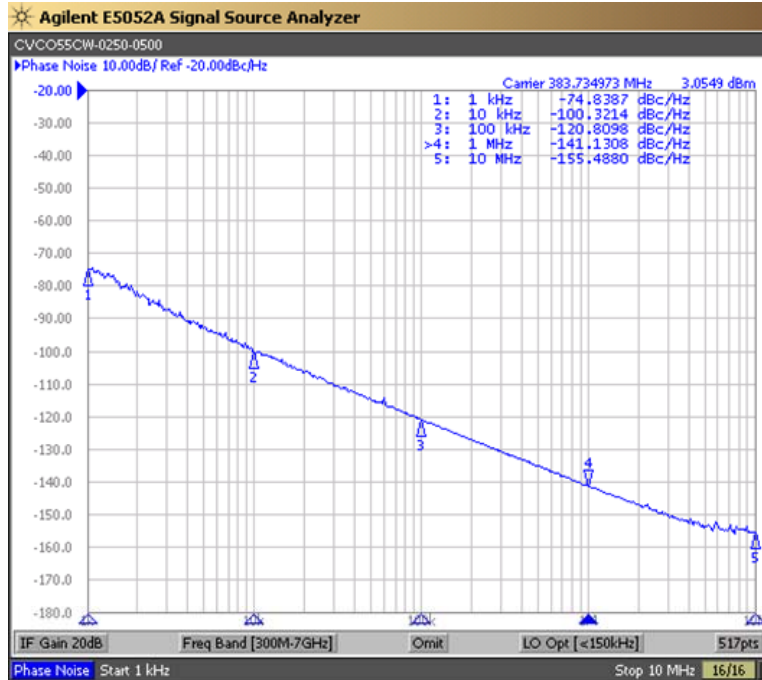


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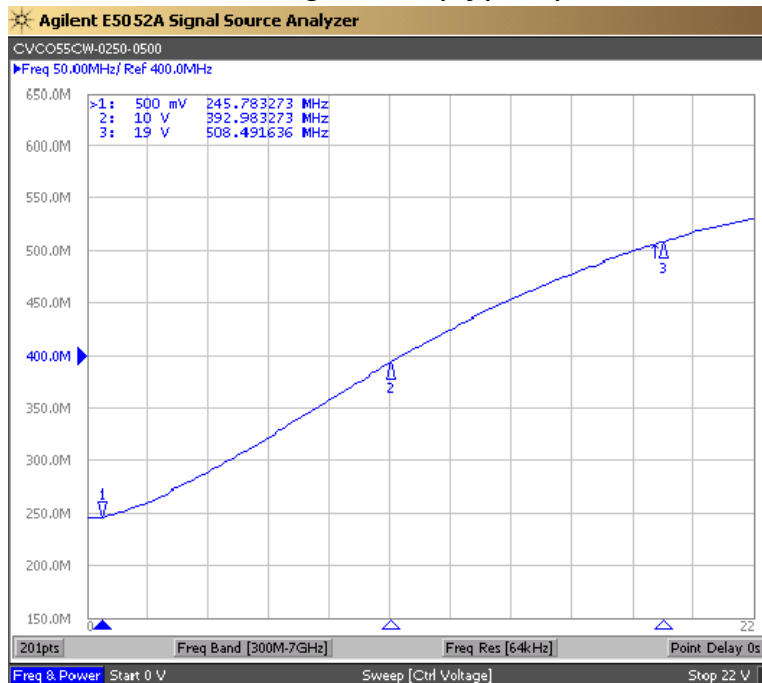
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

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Specification is subject to change without notice

