



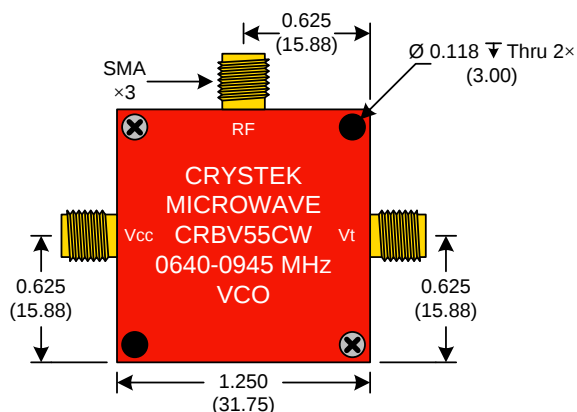
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CW-0640-0945



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			640	MHz
Upper Frequency:	945			MHz
Tuning Voltage:	0		9.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+3.0	+6.0	+9.0	dBm
Supply Current:		15	25	mA
Harmonic Suppression (2 nd Harmonic):		-10	-5	dBc
Pushing:		2.5	4.0	MHz/V
Pulling, all Phases:		2.5	4.0	MHz pk-pk
Tuning Sensitivity:		60		MHz/V
Phase Noise @ 10kHz offset:		-106	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-132	-126	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			330	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-0640-0945	Release Date:	18-Mar-09
Revision Level:	B	Responsible:	C. Vales

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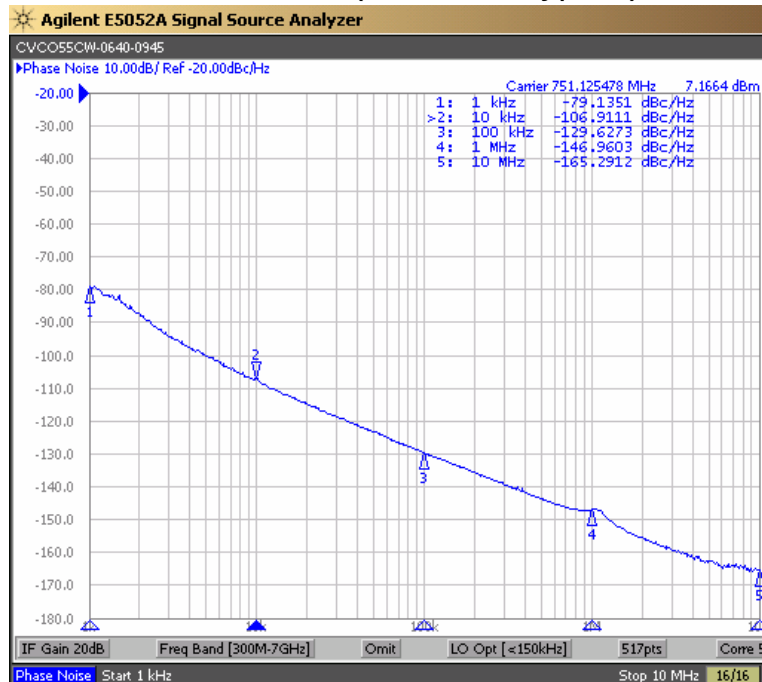
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM



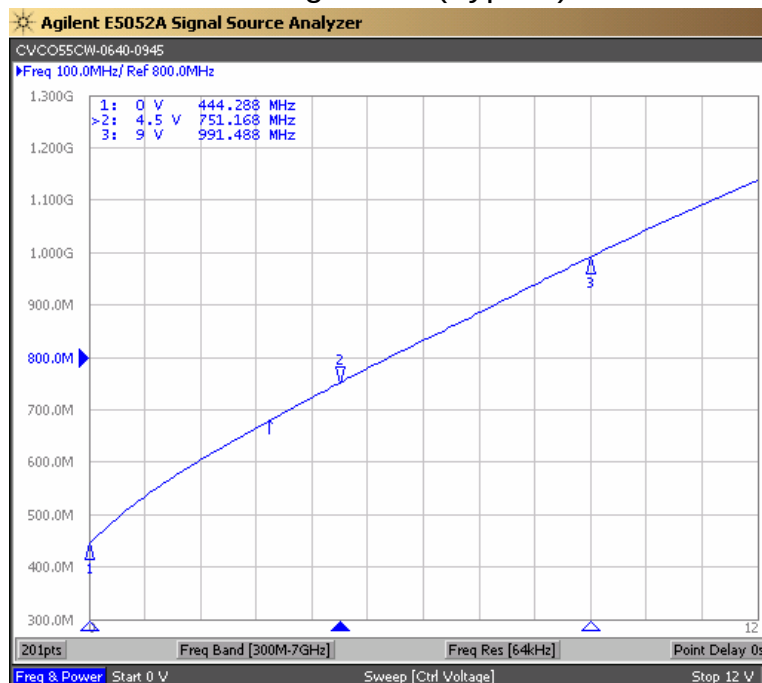
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

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